# Vandal-resistant Mini Dome 1080p/60fps Camera Powered by IPELA ENGINE EX™ Technology

- Maximum resolution of 1920 x 1080 pixels with the Exmor<sup>™</sup> CMOS sensor
- High Frame rate of 60 fps and three simultaneous streams
- Extremely Wide Dynamic Range to 90dB achieved with View-DR technology
- New video analytics functions including face detection and object removal/left behind
- H.264 (High/Main/Baseline Profile)/JPEG video codecs and AAC (16 kHz/48 kHz)/G.726/G.711 audio codecs
- Minimum illumination of 0.1 lx in Color and 0.07 lx in B/W (50 IRE @ 1/30 sec)
- IK10-rated vandal-resistant feature

## **KEY FEATURES**

- IPELA ENGINE EX signal processing system developed based on Sony's unique signal processing and video analytics
- technologies to provide unique features such as a high frame rate, View-DR, XDNR™, and DEPA™ Advanced technologies



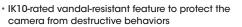
- · High frame rate of 60 fps to provide smoother and less blurry moving pictures
- View-DR Sony's innovative wide dynamic range technology - to capture objects clearly and adaptively even under very harsh, severe backlight or highlight conditions





ON

- Visibility Enhancer (VE) to optimize the brightness and color reproduction of an image dynamically on a pixel-by-pixel basis while continuously adapting to the scene within the given dynamic range
- DEPA Advanced Intelligent Video Analytics to trigger an alarm based on user-defined rules



SD memory card slot for an on-board recording capability<sup>1</sup>

 XDNR (eXcellent Dynamic Noise Reduction) technology for clear images with virtually no motion blur under low illumination





ON

Actual Images

- True D/N (Day/Night) function to switch to Day or Night mode depending on the light level
- Built-in HTML viewer compatible with most Smartphones
- · Easy Focus allows installer/user to focus the camera remotely using a PC or locally
- · Easy Zoom allows installer/user to change field of view locally or remotely using a PC
- Powered by either PoE (IEEE 802.3af-compliant), AC 24 V ±20%, or DC 12V ±10% for easy installation
- ONVIF™ (Open Network Video Interface Forum) Profile S conformance software that ensures greater interoperability and more flexibility in building multiple-vendor systems
- VBR (variable bitrate) or CBR (constant bitrate) encoding format selectable to correspond with various network conditions
- · Easy initial network settings with supplied SNC Easy IP Setup Guide application
- Image Stabilizer to help minimize the effect of camera shake or vibration for less blurry images
- <sup>1</sup> Data recorded on an SD memory card (sold separately) may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage). The on-board recording function, the intelligent motion detection function and the tamper alarm function cannot be used simultaneously.





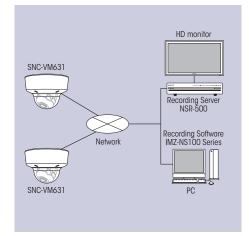
make believe

### **SPECIFICATIONS**

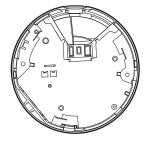
SNC-VM631

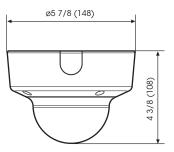
Camera Image Sensor	
	1/2.9-type progressive scan Exmor CMOS sensor
Image Sensor (Number of Effective Pix	xels) Approx. 2.14 Megapixels
Signal System	NTSC color system
Minimum Illumination (50 IRE)	Color: 0.1 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
winning in maning of (oo ince)	B/W: 0.07 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
Minimum Illumination (20 IDE)	
Minimum Illumination (30 IRE)	Color: 0.06 Ix (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
	B/W: 0.05 lx (F1.2, View-DR OFF, VE OFF, AGC ON, 1/30 s, 30 fps)
Dynamic Range	Equivalent to 90 dB with View-DR technology
S/N Ratio	More than 50 dB (Gain 0 dB)
Gain	Auto
Shutter Speed	1/1 s to 1/1000 s
Sync System	Internal synchronization
Exposure Control	Exposure compensation, AGC, Shutter speed, Iris
White Balance	ATW, ATW-PRO, Fluorescent lamp, Mercury lamp, Sodium vapor lamp, Metal halide lamp, White LED, One push WB, Manual
Lens	Built-in vari-focal lens
Powered Zoom	Yes (Easy Zoom)
Zoom Ratio	Optical zoom 3x, Digital zoom 2x
Powered Focus	Yes (Easy Focus)
Horizontal Viewing Angle	105.2 °to 35.4°
Vertical Viewing Angle	57° to 20°
Focal Length	f = 3.0 mm to 9.0 mm
F-Number	F1.2 (Wide), F2.1 (Tele)
Minimum Object Distance	300 mm
Horizontal Resolution	700 TV lines (analog video) *2
Preset Position	8
Tour	5
Camera Features	
Day/Night	Yes
Wide-D	Yes (View-DR)
Image Enhancement	Visibility Enhancer (VE)
Noise Reduction	XDNR technology
Image Stabilizer	Yes *4
Image	
Codec Image Size (H x V)	1920 x 1080, 1280 x 720, 1024 x 576, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 640 x 360, 352 x 288, 320 x 184
	(H.264, JPEG)
Video Compression Format	H.264 (High/Main/Baseline Profile), JPEG
Codec Streaming Capability	Triple Streaming *1, CBR/VBR (selectable)
Maximum Frame Rate	H.264: 60 fps (1920 x 1080)
Maximum Frame Rale	
	JPEG: 60 fps (1280 x 720)
Audio	
Audio Compression Format	G.711/G.726/AAC (16 kHz, 48 kHz)
Scene Analytics	
	Vee
Intelligent Motion Detection	Yes
Face Detection	Yes *3
Rule-based Filter	DEPA Advanced
Network	
Network	UNA TOP JOINT 25 AUGULT (5 AUGULT
Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SMTP, IPv6 **, HTTPS, SNMP (MIB-2)
Protocols ONVIF Conformance	Yes (Profile S) *3
Protocols ONVIF Conformance Number of Clients	Yes (Profile S) *3 20
Protocols	Yes (Profile S) *3
Protocols ONVIF Conformance Number of Clients Authentication	Yes (Profile S) *3 20
Protocols ONVIF Conformance Number of Clients Authentication Interface	Yes (Profile S) *3 20 IEEE 802.1X
Protocols ONVIF Conformance Number of Clients Authentication Interface Analog Video Output	Ves (Profile S) *3 20 IEEE 802.1X BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative
Protocols ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Analog Noritor Output	Yes (Profile S) *3 20 IEEE 802.1X BNC x1, 1.0 Vp-p. 75 Ω, unbalance, sync negative Phono jack x1
Protocols ONVIF Conformance Number of Clients Authentication Interface	Ves (Profile S) *3 20 IEEE 802.1X BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative
Protocols ONVIF Conformance Number of Clients Authentication Interfacee Analog Video Output Analog Monitor Output Line Input	Yes (Profile S) *3       20       IEEE 802.1X       BNC x1, 1.0 Vp-p. 75 Ω, unbalance, sync negative       Phono jack x1       Mini jack (monaural)
Protocols ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Analog Weo Output Line Input Line Input	Ves (Profile S) *3 20 IEEE 802.1X BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative Phono jack x1 Mini jack (monoural) Mini jack (monoural), Maximum output level: 1 Vrms
Protocols ONVIF Conformance Number of Clients Authentication Interfacce Analog Video Output Analog Monitor Output Line Input Line Unput Network Port	Yes (Profile S) *3       20       IEEE 802.1X       BNC x1, 1.0 Vp-p. 75 Ω, unbalance, sync negative       Phono jack x1       Mini jack (monaural).       Mini jack (monaural). Maximum output level: 1 Vrms       108ASE-T/1008ASE-T/ (RL-45)
Protocols ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Output Line Output Network Port Sensor Input	Ves (Profile S) *3           20           IEEE 802.1X           BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative           Phona jack x1           Min jack (monaural),           Mini jack (monaural),           Mini jack (monaural),           Mini jack (contaural),           Vesities           10BASE-17 (RU-45)           x2, make contact, there kontact
Protocols ONVIF Conformance Number of Clients Authentication Interfacce Analog Video Output Analog Monitor Output Line Input Line Unput Network Port	Yes (Profile S) *3       20       IEEE 802.1X       BNC x1, 1.0 Vp-p. 75 Ω, unbalance, sync negative       Phono jack x1       Mini jack (monaural).       Mini jack (monaural). Maximum output level: 1 Vrms       108ASE-T/1008ASE-T/ (RL-45)
Protocols ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Analog Video Output Line Input Line Input Line Output Network Port Sensor Input Alarm Output	Ves (Profile S) *3 20 1EEE 802.1X BNC x1, 1.0 Vp-p. 75 Ω, unbolance, sync negative Phono jack x1 Mini jack (monaural), Maximum output level: 1 Vms 108ASE-17100BASE-TX (RJ-45) x2, make contact, break contact x2, 24 VAC/DC, 1.4 (mechanical relay outputs electrically isolated from the camera)
Protocols ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Output Line Output Sensor Input Alarm Output Microphone Input	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monoural)         Mini jack (monoural)         Mini jack (monoural)         Moni jack statistical (monoural)         X2 mode contact, threak contact         x2, mode contact, threak contact         x2, 24 VAC/DC.14 (mechanical relay outputs electrically isolated from the camera)         Mini jack (monoural)
Protocols ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interfaceo Analog Video Output Line Input Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots	Ves (Profile S) *3 20 1EEE 802.1X BNC x1, 1.0 Vp-p. 75 Ω, unbolance, sync negative Phono jack x1 Mini jack (monaural), Maximum output level: 1 Vms 108ASE-17100BASE-TX (RJ-45) x2, make contact, break contact x2, 24 VAC/DC, 1.4 (mechanical relay outputs electrically isolated from the camera)
Protocols ONVIF Conformance Number of Clients Authentication Interface Analog Wonitor Output Line Output Line Output Sensor Input Airam Output Microphone Input Card Slots System Requirements	Yes (Profile S) *3         20         1EEE 802.1X         BNC x1, 1.0 Vp-p. 75 Ω, unbalance, sync negative         Phona jack x1         Mini jack (monaural).         Mini jack (monaural).         Mini jack (Monaural).         Mini jack ACDC.1 X (mechanical relay outputs electrically isolated from the comera).         Mini jack (Monaural).         SD Card x 1
Protocols ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interfaceo Analog Video Output Line Input Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monaural)         Mini jack (monaural)         X         Mini jack (monaural)         x 2, moke contact, break contact         x 2, moke contact, break contact         x 2, AV AC/DC, 1.4 (mechanical relay outputs electrically isolated from the camera)         Mini jack (monaural)         SD Card x 1         Windows® XP (32 bit) Professional Edition
Protocols ONVIF Conformance Number of Clients Authentication Interface Analog Wonitor Output Line Output Line Output Sensor Input Airam Output Microphone Input Card Slots System Requirements	Yes (Profile S) *3         20         1EEE 802.1X         BNC x1, 1.0 Vp-p. 75 Ω, unbolance, sync negative         Phono jack x1         Mini Jack (monaural),         Mini Jack (monaural)         So Card x 1         Windows Vistor (32 bit) Professional Edition         Windows Vistor (32 bit) Ultimate, Business Edition
Protocols ONVIF Conformance Number of Clients Authentication Interface Analog Wonitor Output Line Output Line Output Sensor Input Airam Output Microphone Input Card Slots System Requirements	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monoural)         Mini jack (monoural)         Mini jack contact         x2, make contact, there kontact         x2, and ke contact, there kontact         x2, 24 VAC/DC.1 A (mechanical relay outputs electrically isolated from the comera)         Mini jack (monoural)         SD Card x 1         Windows® XP (32 bit) Professional Edition         Windows® Vister (32 bit) Ultimate, Potessional Edition         Windows 0 (32 bit) Ultimate, Business Edition         Windows 0 (32 bit) Ultimate, Potessional Edition
Protocols ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Output Dire Input Cline Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System	Yes (Profile S), *3         20         IEEE 802, 1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monoural)         Mini jack (monoural)         Mini jack contact         x2, make contact, there kontact         x2, and ke contact         x2, and ke contact         x2, and ke contact         x2, and ke contact         x3, and ke contact         x4, and ke contact         x5, and ke contact         x6, and ke contact         x9, and ke (monoural)         Mini jack (monoural)         SD Card x 1         Windows® XP (32 bit) Professional Edition         Windows® Vister (32 bit) Ultimate, Potessional Edition         Windows® 7, 7 (32/6 bit) Ultimate, Potessional Edition         Windows® Vister (32 bit) Professional Edition
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Output Line Output Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monaural)         Mini jack (monaural)         Mini jack contact         x2       mole contact, iterak contact         x2, 24 V AC/DC, 1.4 (mechanical relay outputs electrically isolated from the camera)         Mini jack (monaural)         SD Card x 1         Vindows* VP (32 bit) Professional Edition         Windows Viste® (32 bit) Ultimate, Business Edition         Windows 7 (22 4 bit) Ultimate, Professional Edition         Undows 7 (22 4 bit) Ultimate, Professional Edition         Windows 7 12 8 OHz or higher
Protocols ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Wonitor Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor Memory	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbolance, sync negative         Phono jock x1         Mini jock (monoural),         Mini jock (monoural),         Mini jock (monoural),         Mini jock (monoural),         Misi jock (monoural),         S0 Cond x1         Windows Yelscher (32 bit) Professional Edition         Windows 7 (22/6 bit) Ultimate, Business Edition         Windows 7 (22/6 bit) Ultimate, Professional Edition         Windows 7 (32/6 bit) Ultimate, Professional Edition         Win
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Output Line Output Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monaural)         Mini jack (monaural)         X       mode contact, liced ko contact         x 2, mode contact, liced ko contact         x 2, adve contact, liced ko contact         x 2, adve contact, liced ko contact         windows® XP (32 bit) Professional Edition         Windows® VIste® (32 bit) Ultimate, Business Edition         Windows Viste® (32 bit) Ultimate, Professional Edition         Windows Tota riact         Z 68 or more         Miness Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0
Protocols ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Wonitor Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor Memory	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbolance, sync negative         Phono jack x1         Mini jack (monoural), Maximum output level: 1 Vrms         10BASE T/100BASE TX (RU-45)         x2, radke contact, threak contact         x2, 24 VAC/DC, 1.4 (mechanical relay outputs electrically isolated from the camera)         Mini jack (monoural)         SD Cord x 1         Windows? VP (32 bit) Professional Edition         Windows 7 (s2/54 bit) Utlimate, Business Edition         Windows 7 (s2/64 bit) Utlimate, Professional Professional Edition         Windows 7 (s2/64 bit) Utlimate, Professional Profesiteccccccccccccccccccccccccccccccccccc
Protocols ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Wonitor Output Line Output Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor Memory	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbolance, sync negative         Phono jack x1         Mini jack (monoural), Maximum output level: 1 Vrms         10BASE T/100BASE TX (RU-45)         x2, radke contact, threak contact         x2, 24 VAC/DC, 1.4 (mechanical relay outputs electrically isolated from the camera)         Mini jack (monoural)         SD Cord x 1         Windows? VP (32 bit) Professional Edition         Windows 7 (s2/54 bit) Utlimate, Business Edition         Windows 7 (s2/64 bit) Utlimate, Professional Professional Edition         Windows 7 (s2/64 bit) Utlimate, Professional Profesiteccccccccccccccccccccccccccccccccccc
Protocols ONVIF Conformance Number of Clients Authentication Interfacce Analog Video Output Analog Monitor Output Line Input Line Input Network Port Sensor Input Microphone Input Card Siols System Requirements Operating System Processor Memory Web Browser	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monaural)         Mini jack (monaural)         X       mode contact, liced ko contact         x 2, mode contact, liced ko contact         x 2, adve contact, liced ko contact         x 2, adve contact, liced ko contact         windows® XP (32 bit) Professional Edition         Windows® VIste® (32 bit) Ultimate, Business Edition         Windows Viste® (32 bit) Ultimate, Professional Edition         Windows Tota riact         Z 68 or more         Miness Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0
Protocols ONVF Conformance Number of Clients Authentication Interface Analog Video Output Line linput Line linput Analog Monitor Output Line linput Analog Monitor Output Line Unput Microphone Input Card Silots System Requirements Operating System Processor Memory Web Browser	Yes (Profile S).*3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monoural)         Mini jack (monoural)         Mini jack (monoural)         Xe (moto contact)         X2, make contact, break contact         x 2, and ke contact         x 2, and ke contact         x 2, and ke contact, break contact         x 4, make contact, break contact         x 4, make contact, break contact         x 4, make contact, break contact         x 1         Windows® XP (32 bit) Professional Edition         Windows® XP (32 bit) Utimate, Professional Edition         Windows ® XP (32 bit) Utimate, Professional Edition         Intel Core i7 2.8 GHz or higher         2 GB or more         Microsoft Internet® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Firefox® Ver. 4.0 (Plug-in free viewer only)         Sodard X - 4.0 (Plug-in free viewer only)         Google Chroms® Ver. 4.0 (Plug-in free viewer only)         Google Chroms® Ver. 4.0 (Plug-in free viewer only)
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Processor Memory Web Browser General	Yes (Profile S).*3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monoural)         Mini jack (monoural)         Mini jack (monoural)         Xe (moto contact)         X2, make contact, break contact         x 2, and ke contact         x 2, and ke contact         x 2, and ke contact, break contact         x 4, make contact, break contact         x 4, make contact, break contact         x 4, make contact, break contact         x 1         Windows® XP (32 bit) Professional Edition         Windows® XP (32 bit) Utimate, Professional Edition         Windows ® XP (32 bit) Utimate, Professional Edition         Intel Core i7 2.8 GHz or higher         2 GB or more         Microsoft Internet® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Firefox® Ver. 4.0 (Plug-in free viewer only)         Sodard X - 4.0 (Plug-in free viewer only)         Google Chroms® Ver. 4.0 (Plug-in free viewer only)         Google Chroms® Ver. 4.0 (Plug-in free viewer only)
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Analog Monitor Output Line Output Dire Output Dire Output Sensor Input Alarm Output Microphone Input Card Slots System Processor Memory Web Browser General Power Requirements	Yes (Profile S).*3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monaural)         Mini jack (monaural)         X       mode contact, lited ko contact         x 2, mode contact, lited ko contact         x 2, mode contact, lited ko contact         x 2, mode contact, lited ko contact         x 1, mode contact, lited ko contact         x 2, mode contact, lited ko contact         x 4, mode contact, lited ko contact         x 1, and x 1         Windows* XP (32 bit) Professional Edition         Windows * 154/e* (32 bit) Ultimate, Professional Edition         Intel Core i7 2.8 GHz or higher         2 68 or more         Microsoft Intervel* x 1, 0 (Plug-in free viewer only)         Solard* Ver. 4, 0 (Plug-in free viewer only)         Google Chrome* Ver. 4, 0 (Plug-in free viewer only)         Google Chrome* Ver. 4, 0 (Plug-in free viewer only)         Google Chrome* Ver. 4, 0 (Plug-in free viewer onl
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Wainot Output Analog Monitor Output Line Input Une Unput Network Port Sensor Input Alarm Output Microphone Input Card Slots System Processor Memory Web Browser  Cenerci Power Requirements Power Consumption	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Min jack (monoural), Maximum output level: 1 Vrms         10BASE: T/100BASE: T/100
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Inter Input Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating Envest Processor Memory Web Browser  General Power Requirements Prover Require	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monaural)         Mini jack (monaural)         Mini jack (monaural)         X2, moke contact, break contact         x 2, moke contact, break contact         x 2, moke contact, break contact         x 4, moke contact, break contact         x 4, moke contact, break contact         x 4, moke contact, break contact         x 1         Windows® XP (32 bit) Professional Edition         Windows® XP (32 bit) Utimate, Professional Edition         Windows® XP (32 bit) Utimate, Professional Edition         Windows P (32 bit) Itimate, Professional Edition         Intel Care i7 2.8 GHz or higher         2 68 or more         Microsoft Interer® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Firefox® Ver. 4.0 (Plug-in free viewer only)         Google Chroms® Ver. 4.0 (Plug-in free viewer only)         Google Chroms® Ver. 4.0 (Plug-in free viewer only)         PoE system (IEEE 802.3af compliant), DC 12 V ± 10%, AC 24 V ± 20%         6.0 W mox.         14* Fo 122*F (-10*C to +50*C)
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Authenication Interface Analog Video Output Analog Video Output Line Input Line Input Analog Video Output Video Output Video Output Card Sials System Requirements Operating System Processor Memory Web Browser  General Power Requirements Power Consumption Operating Temperature Sorting Temperature	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbolance, sync negative         Phono jock x1         Mini jock (monoural),         Stable Conloct, break conloct         x.2, zdv ACDC, 1.4 (mechanical relay outputs electrically isolated from the camera)         Mini jock (monoural)         SD Cord x 1         Windows Y (s2b bit) Professional Edition         Windows 7 (s2b ch 1) Ultimate, Professional Edition         Windows 7 (s2b ch 2) Ultimate, Professional Edition
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Authenitation Interface Analog Video Output Analog Monitor Output Line Input Line Input Microphone Input Card Siots System Requirements Operating System Processor Memory Web Browser  General Power Requirements Power Consumption Operating Temperature Storing Temperature Storing Temperature	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monaural)         Mini jack (monaural)         Mini jack (monaural)         X2, moke contact, break contact         x 2, moke contact, break contact         x 2, moke contact, break contact         x 4, moke contact, break contact         x 4, moke contact, break contact         x 4, moke contact, break contact         x 1         Windows® XP (32 bit) Professional Edition         Windows® XP (32 bit) Utimate, Professional Edition         Windows® XP (32 bit) Utimate, Professional Edition         Windows P (32 bit) Itimate, Professional Edition         Intel Care i7 2.8 GHz or higher         2 68 or more         Microsoft Interer® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Firefox® Ver. 4.0 (Plug-in free viewer only)         Google Chroms® Ver. 4.0 (Plug-in free viewer only)         Google Chroms® Ver. 4.0 (Plug-in free viewer only)         PoE system (IEEE 802.3af compliant), DC 12 V ± 10%, AC 24 V ± 20%         6.0 W mox.         14* Fo 122*F (-10*C to +50*C)
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Output Network Port Sensor Input Alarm Output Microphone Input Card Slots System Processor Memory Web Browser  General Power Consumption Operating Temperature Storage Temperature	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Min jack (monoural)         Mini jack (monoural)         Mini jack (monoural)         Mini jack contact: Text (RL-45)         x 2, make contact: there konthact         x 2, 24 V AC/DC, 1.4 (mechanical relay outputs electrically isolated from the comera)         Mini jack (monoural)         SD Card x 1         Windows® XP (32 bit) Professional Edition         Windows® XF (32 bit) Utimate, Professional Edition         Windows® XF (32 bit) Professional Edition         Windows® XF (32 bit) Professional Edition         Windows® XF (32 bit) Professional Edition         Intel Core i7 2.8 GHz or higher         2 GB or more         Microsoft Internet® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Firefax® Ver. 4.0 (Plug-in free viewer only)         Google Chrom® Ver. 4.0 (Plug-in free viewer only)         Google Chrom® Ver. 4.0 (Plug-in free viewer only)         Google Chrom® Ver. 4.0 (Plug-in free viewer only)         PoE system (IEEE 802.3d compliant), DC 12 V ± 10
Protocols ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Analog Video Output Line lnput Line lnput Line lnput Sensor Input Alarm Output Microphone Input Card Slots System Requirements Operating System Processor Memory Web Browser  General Power Consumption Operating Temperature Storage Tempera	Yes (Profile S) *3         20         1EEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jock x1         Mini jock (monoural)         No BASE-T1/100BASE-TX (BL-45)         x 2, moke contact, break contact         x 2, moke contact, break contact         x 2, dx / AC/DC, 1.4 (mechanical relay outputs electrically isolated from the camera)         Mini jock (monoural)         SD Card x1         Windows* XP (32 bit) Professional Edition         Windows* (32 bit) Ultimate, Professional Edition         Windows 7 (32/64 bit) Ultimate, Professional Edition         Windows 7 (32/64 bit) Ultimate, Professional Edition         Windows 7 (32 bit) Professional Edition         Windows 7 (23/64 bit) Ultimate, Professional Edition         Windows 7 (47 a S) Fulgoier Ver. 7.0, Ver. 8.0, Ver. 9.0         Firefox* Ver. 4.0 (Plug-in free viewer only)         Gorgie Chrome* Ver. 4.0 (Plug-in free viewer only)
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Wonitor Output Line Input Line Input Vetwork Port Sensor Input Alarm Output Microphone Input Card Slots System Processor Memory Web Browser  Ceneral Processor General Prover Consumption Operating Temperature Storage Temperature	Yes (Profile S).*3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Min jack (monoural).         Min jack (monoural).         Min jack contact, the synchronization output level: 1 Vims         10BASE: T/100BASE: T/100BA
Protocols ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Analog Video Output Line Input Line Input Line Input Analog Monitor Output Line Vort Sensor Input Aarm Output Microphone Input Card Slots System Requirements Operating Kenter Storage Temperature	Yes (Profile S) *3         20         1EEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jock x1         Mini jock (monoural)         No BASE-T1/100BASE-TX (BL-45)         x 2, moke contact, break contact         x 2, moke contact, break contact         x 2, dx / AC/DC, 1.4 (mechanical relay outputs electrically isolated from the camera)         Mini jock (monoural)         SD Card x1         Windows* XP (32 bit) Professional Edition         Windows* (32 bit) Ultimate, Professional Edition         Windows 7 (32/64 bit) Ultimate, Professional Edition         Windows 7 (32/64 bit) Ultimate, Professional Edition         Windows 7 (32 bit) Professional Edition         Windows 7 (23/64 bit) Ultimate, Professional Edition         Windows 7 (47 a S) Fulgoier Ver. 7.0, Ver. 8.0, Ver. 9.0         Firefox* Ver. 4.0 (Plug-in free viewer only)         Gorgie Chrome* Ver. 4.0 (Plug-in free viewer only)
Protocols ONVF Conformance Number of Clients Authentication Interface Analog Video Output Analog Video Output Ine Input Line Input Line Output Network Port Sensor Input Airm Output Microphone Input Cord Slots System Requirements Operating Envertion Processor Memory Web Browser Ceneral Power Requirements Power Consumption Operating Enverture Storage Temperature Sto	Yes (Profile S) *3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monaural)         Notice contact, break contact         x 2, moke contact, break contact         x 2, moke contact, break contact         x 4, moke contact, break contact         x 1         Windows® XP (32 bit) Professional Edition         Windows® XP (32 bit) Utimate, Professional Edition         Windows® XP (32 bit) Utimate, Professional Edition         Windows® XP (32 bit) Utimate, Professional Edition         Windows® XP (32 bit) Professional Edition         Windows® XP (32 bit) Professional Edition         Windows® XP (32 bit) Utimate, Professional Edition         Intel Core i7 2.8 GHz or higher         2 68 or more         4 Bit core i7 2.8 GHz or higher         2 68 or more         Socard k1         Break - 4.0 (Plug-in free viewer only)         Gogle Chroms® Ver.4.0 (Plug-in free viewer only)         Gogle Chroms® Ver.4.0 (Plug-in free viewer only)         Bogle Chroms® Ver.4.0 (Plug-in free v
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Authenitation Interface Analog Video Output Analog Monitor Output Line Input Line Input Analog Monitor Output Line Vort Sensor Input Microphone Input Card Siols System Requirements Operating Humidity Storage Humidi	Yes (Profile S).*3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbolance, sync negative         Phono jock x1         Mini jock (monoural).         Wini jock (monoural).         SD Cord x 1         Windows? XP (32 bit) Professional Edition         Windows 7 (s2/64 bit) Ultimate, Business Edition         Windows 7 (s2/64 bit) Ultimate, Professional Edition         Windows 7 (s2/64 bit) Ult
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Input Line Output Network Port Sensor Input Atarm Output Marm Output Marm Output Atarm Output Marm Output Margohone Input Card Slots System Processor Memory Web Browser	Yes (Profile S).*3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Min jack (monoural)         Mini jack (monoural)         Mini jack (consoural)         Xe make contact, there would be well 1 Vims         10BASE-17 (10BASE-17 (RL-45)         x2, make contact, there would be wonther would be well and the context of the contact relation of the context of the contact relation of the context of the contact of the contact relation of the context of the contact of the contact relation of the context of the contact
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Authenitation Interface Analog Video Output Analog Monitor Output Line Input Line Input Analog Monitor Output Line Vort Sensor Input Microphone Input Card Siols System Requirements Operating Humidity Storage Humidi	Yes (Profile S).*3         20         1EEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jock x1         Mini jock (monoural)         No BASE-T1/100BASE-TX (BL-45)         x 2, moke contact, break contact         x 2, moke contact, break contact         x 2, and k contact         x 2, and k contact         x 1, moke contact, break contact         windows® XP (32 bit) Professional Edition         Windows® XP (32 bit) Ultimate, Professional Edition         Windows 7 (32/64 bit) Ultimate, Professional Edition         Intel Core 17 2.8 GHz or higher         2 GB or more         Microsoft Internet® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Friedx® Ver. 4.0 (Plug-in free viewer only)         Gogile Chrome® Ver. 4.0 (Plug-in free viewer only)
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Input Line Output Network Port Sensor Input Atarm Output Marm Output Marm Output Atarm Output Marm Output Margohone Input Card Slots System Processor Memory Web Browser	Yes (Profile S).*3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Min jack (monoural)         Mini jack (monoural)         Mini jack (consoural)         Mini jack (consoural)         Mini jack (consoural)         Mini jack (consoural)         No plasts: F.1/1008A5E-TX (RL-45)         x2, make contact, break contact         x2, make contact, break contact         x4, make contact, break contact         x4, make contact, break contact         x4, make contact, break contact         x7, 24 VAC/DC, 1.4 (mechanical relay outputs electrically isolated from the comero)         Mini jack (monoural)         SD Card x 1         Windows® XP (32 bit) Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Intel Care 17 2.8 GHz or higher         2 GB or more         Microsoft Interet® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Firefax® Ver. 4.0 (Plug-in free viewer only)         Google Chrome® Ver. 4.0 (Plug-in free viewer only)         Google Chrome® Ver. 4.0 (Plug-in free viewer only)         PoE system (IEEE 802.3d compliant), DC 12 V ± 10%, AC 24 V ± 20%         6.0 W max.         14% Fto 122% (F (10°C to 50°C)
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Input Line Output Network Port Sensor Input Atarm Output Marm Output Marm Output Atarm Output Marmol Protocosor System Processor Requirements Processor General Processor General Programents Prover Consumption Operating Temperature Starting Temperature Starting Temperature Storage Temperature Storage Imperature Storage Interperature Storage	Yes (Profile S).*3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Min jack (monoural)         Mini jack (monoural)         Mini jack (consoural)         Mini jack (consoural)         Mini jack (consoural)         Mini jack (consoural)         No plasts: F.1/1008A5E-TX (RL-45)         x2, make contact, break contact         x2, make contact, break contact         x4, make contact, break contact         x4, make contact, break contact         x4, make contact, break contact         x7, 24 VAC/DC, 1.4 (mechanical relay outputs electrically isolated from the comero)         Mini jack (monoural)         SD Card x 1         Windows® XP (32 bit) Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Intel Care 17 2.8 GHz or higher         2 GB or more         Microsoft Interet® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Firefax® Ver. 4.0 (Plug-in free viewer only)         Google Chrome® Ver. 4.0 (Plug-in free viewer only)         Google Chrome® Ver. 4.0 (Plug-in free viewer only)         PoE system (IEEE 802.3d compliant), DC 12 V ± 10%, AC 24 V ± 20%         6.0 W max.         14% Fto 122% (F (10°C to 50°C)
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Waleo Output Analog Monitor Output Line Uput Network Port Sensor Input Airam Output Microphone Input Card Slots System Processor Web Browser	Yes (Profile S).*3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monoural)         Mini jack (monoural)         Mini jack (consoural)         Mini jack (consoural)         Mini jack (consoural)         No JobASE-T/100BASE-TX (RL-45)         x 2, make contact, break contact         x 2, make contact, break contact         x 2, make contact, break contact         x 4, make contact, break contact         x 10         Windows® XP (32 bit) Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Professional Edition         Windows® XF (32 bit) Professional Edition         Interface Wer.3 (Plug-in free viewer only)         Social Internet® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Friters® Wer.3 (Plug-in free viewer
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Input Line Output Network Port Sensor Input Atarm Output Marm Output Marm Output Atarm Output Marmol Protocosor System Processor Requirements Processor General Processor General Programents Prover Consumption Operating Temperature Starting Temperature Starting Temperature Storage Temperature Storage Imperature Storage Interperature Storage	Yes (Profile S).*3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monoural)         Mini jack (monoural)         Mini jack (consoural)         Mini jack (consoural)         Mini jack (consoural)         No JobASE-T/100BASE-TX (RL-45)         x 2, make contact, break contact         x 2, make contact, break contact         x 2, make contact, break contact         x 4, make contact, break contact         x 10         Windows® XP (32 bit) Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Professional Edition         Windows® XF (32 bit) Professional Edition         Interface Wer.3 (Plug-in free viewer only)         Social Internet® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Friters® Wer.3 (Plug-in free viewer
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Input Line Output Network Port Sensor Input Atarm Output Marm Output Marm Output Atarm Output Marmol Protocosor System Processor Requirements Processor General Processor General Programents Prover Consumption Operating Temperature Starting Temperature Starting Temperature Storage Temperature Storage Imperature Storage Interperature Storage	Yes (Profile S).*3         20         21         22         22         1EEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monaural)         Nd status         10BASE-T/100BASE-TX (RL-45)         x 2, moke contact, break contact         x 2, moke contact, break contact         x 2, at VAC/DC, 1.4 (mechanical relay outputs electrically isolated from the camera)         Mini jack (monaural)         SD Card x 1         Windows® XP (32 bit) Professional Edition         Windows® XP (32 bit) Ultimate, Professional Edition         Intel Care i7 2.8 GHz or higher         2 68 or more         Microsoft Internet® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Friedx® Ver. 4.0 (Plug-in free viewer only)         Sodarl Ver. 4.0 (Plug-in free viewer only)         Gogle Chrome® Ver. 4.0 (Plug-in free viewer only)         Gogle Chrome® Ver. 4.0 (Plug-in free viewer only)         Gogle Chrome® Ver. 4.0 (Plug-in free viewer only)         Bogle System (IEEE 802.3af compliant), DC 12 V ± 10%, AC 24 V ± 20%         6.0 W max.
Protocols ONVIF Conformance ONVIF Conformance ONVIF Conformance Number of Clients Authentication Interface Analog Video Output Line Input Line Input Line Output Network Port Sensor Input Atarm Output Marm Output Marm Output Atarm Output Marmol Protocosor System Processor Requirements Processor General Processor General Programents Prover Consumption Operating Temperature Starting Temperature Starting Temperature Storage Temperature Storage Imperature Storage Interperature Storage	Yes (Profile S).*3         20         IEEE 802.1X         BNC x1, 1.0 Vp-p, 75 Ω, unbalance, sync negative         Phono jack x1         Mini jack (monoural)         Mini jack (monoural)         Mini jack (consoural)         Mini jack (consoural)         Mini jack (consoural)         No JobASE-T/100BASE-TX (RL-45)         x 2, make contact, break contact         x 2, make contact, break contact         x 2, make contact, break contact         x 4, make contact, break contact         x 10         Windows® XP (32 bit) Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Professional Edition         Windows® XF (32 bit) Ultimate, Professional Edition         Windows® XF (32 bit) Professional Edition         Windows® XF (32 bit) Professional Edition         Interface Wer.3 (Plug-in free viewer only)         Social Internet® Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0         Friters® Wer.3 (Plug-in free viewer

#### SYSTEM CONFIGURATION



#### DIMENSIONS





Unit: inches (mm)

\*1 Triple streaming (any combination with JPEG/H.264, including multiple streams of the same format) \*2 Monitor display ratio 4:3 \*3 Version 1.4 or later \*4 Default setting: OFF

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