IK-WR14A

IP Vandal Dome Camera with 1080p HD Resolution

Easy to install, powerful capabilities

The IK-WR14A reduces upfront installation time with its incorporation of remote optical zoom, one-touch remote focus, and a new cable management system based on PoE. H.264 and SRLED allow capture of 1080p full HD resolution video at 30 fps in any lighting condition. ONVIF compliance means the camera is interoperable with third-party IP solutions, while its vandal-resistant IP66 metal housing is rugged for outdoor deployments.

- Remote optical zoom and one-touch remote auto focus for faster installation

- Full 1080p HD video high resolution image capture (1920 x 1080)

- Advanced SRLED technology for edge to edge lighting down to 0 lux

- Wide dynamic range optimizes visibility in difficult lighting conditions

- Vandal resistant IP66 housing

- ONVIF compliant interface for maximum third-party compatibility

- Improved cable management

Full HD 1080p

ONVIF

IK-WR14A

High-Definition Outdoor Dome Camera

Camera

Image sensor	1/2.7" progressive scan CMOS
Effective pixels	1920 x 1080 (2 megapixel)
Lens	Vari-focal f=3mm to 9mm F=1.2 (wide), F=2.1 (tele)
Lens type	Remote zoom, remote focus
Zoom	3x optical, 4x digital
Angle of View	32°- 93° horizontal, 24°-68° vertical
Min. Illumination	0.04 lux/F1.2 (Night mode, LED-OFF, Gain 100%, 1/30 sec), 0 lux w/IR on
IR illuminators	SRLED [3], 20m range
Electric shutter	1/5-1/40,000

Camera Features

Day/Night	Yes, IR cut filter
Wide Dynamic Range	Yes
White balance	AWB
Gain (AGC)	Auto
BLC	Yes
Flickerless	Yes, 50/60 Hz selectable
Privacy mask	Yes
Tamper detection	Yes
Motion detection	Yes

Video

Compression	H.264, MPEG4, MJPEG
Resolutions	1920x1080, 1280x1024, 1280x720, 1024x768, 640x480, 320x240
Frame rate (max) [1]	Up to 30 fps @1920x1080 (H.264) Up to 30 fps @1920x1080 (MPEG4) Up to 30 fps @1920x1080 (MJPEG)
Video streams	4 simultaneous
Composite video output	NTSC and PAL

Audio

Audio Compression	AAC, GSM, G.711
Audio In/Out [2]	MIC In (plug-in power 3.3V, 200kΩ) / LINE OUT (1 Vrms)

Only a single Ethernet cable is needed to connect the IK-WR14A to the network and electrical power

Network

Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1X
ONVIF	Yes, ver. 1.02
Maximum user access	10 clients
Security	Multi level ID/Password, IP address filtering, HTTPS, 802.1x
Basic authentication	Yes (Windows standard)
Bandwidth control	QoS, CoS
Camera set-up program	Installation Wizard
Plug-In	Active X
Alarm recording	FTP, email, SD card

Interface

Ethernet connectors	10 Base-T/100 Base-TX, RJ45
Digital In/Out	1 IN / 1 OUT
SD card slot	Micro SD

General

Dimensions	6.8 inch (H) x 4.5 inch (Diameter) (173mm x 115mm)
Weight	2.98 lbs (1350g)
Power Requirements	12V DC ± 10 %, 24V AC± 10 % 60Hz, 802.3af Class 3 PoE
Power consumption	12V DC / 0.5 A, 24V AC / 0.5A
Operation temperatures	
PoE:	-22°F to 122°F (-30°C to 50°C)
12V DC and 24V AC:	-13°F to 122°F (-25°C to 50°C)
Operation humidity	~ 90%
OS	Linux
Approvals	FCC Class A, IC Class A, UL 60950-1, CSA C22.2 No. 60950-1
Vandal resistance	IK10
Environmental	IP66

System Requirements

Web browser support	Internet Explorer® Ver. 8.0 or later
Supported OS	Windows® XP, Vista® Business, Windows 7 professional, Windows 8

1. Varies in accordance with the object, image quality, network environment and performance of the client used.
2. Sound quality varies depending on the condition of the network.
3. SRLED is Single Reflection LED