VB-H41 FULL HD PTZ IP SECURITY CAMERA

Feature-Packed
Full HD PTZ Megapixel

Engineered with a new structural design for increased durability with improved bearings and a flexible-cable assembly, the impressive Canon VB-H41 Full HD PTZ IP Security Camera includes an impressive Genuine Canon 60.4º Wide Angle 20x Zoom Lens (with 12x digital zoom), **DiG!C DV III** image processor, **DiG!C NET II** network video processor, and an improved Auto Focus algorithm to improve focusing accuracy even in the most challenging low-light, low-contrast environments. Working together with a built-in temperature sensor, the VB-H41 Auto Focus algorithm also corrects for temperature changes in the installation environment. An electronic Image Stabilization feature minimizes blur that can be caused by vibration in the installation base, and the VB-H41 supports the USB joystick for controlling PTZ and presets. The VB-H41 is also equipped with On-board Video Analytics including Moving Object Detection, Removed Object Detection, Abandoned Object Detection, Camera Tampering Detection, Volume Level Detection, and a new Passing (or "tripwire") Detection. The VB-H41 also conforms to the ONVIF Profile S standard ensuring compatibility with other ONVIF-compliant third-party products.

Key Features

- ► Full HD CMOS Sensor
- ► Genuine Canon 20x Optical Zoom Lens
- ► Brilliant Low-Light Performance
- ► On-Board Video Analytics
- ► Advanced Auto Focus
- ► Electronic Image Stabilization
- ► ONVIF Profile S Conformant
- ► **DiG!C DV III** image processor

► **DiG!C NET II** network video processor transmits H.264 and M-JPEG simultaneously at 1920 x 1080 up to 30 fps

Recommended For:

- ► Financial Institutions
- ► Hospitals/Medical Facilities
- ► Educational Institutions
- ► Commercial Offices/Retail Locations
- ► Airports and Transportation Centers
- ► Casino/Gaming Industry
- ► Military and Government Agencies
- ► Industrial/Utility Companies

VB-H41

Canon

VB-H41 Full HD PTZ IP Security Camera

PRODUCT NAME: VB-H41   ITEM CODE: 6812B002   UPC CODE: 013803157413

SPECIFICATIONS

CAMERA	IMAGE SENSOR	1/3 type CMOS (primary color filter)
	NUMBER OF EFFECTIVE PIXELS	Approx. 2.1 million pixels
	SCANNING METHOD	Progressive
	LENS	20x optical (12x digital) zoom lens with auto focus
	FOCAL LENGTH	4.7 (W) – 94mm (T)
	F-NUMBER	F1.6 (W) – F3.5 (T)
	VIEWING ANGLE	Horizontal: 60.4° (W) – 3.2° (T) Vertical: 35.1° (W) – 1.8° (T)
	DAY/NIGHT SWITCH	Auto/Manual
	MIN. SUBJECT ILLUMINATION — Day Mode (color)	0.4 lux (F1.6, shutter speed 1/30 sec., when Smart Shade Control is off, 50IRE) 0.03 lux (F1.6, shutter speed 1/2 sec., when Smart Shade Control is off, 50IRE) 0.01 lux (F1.6, shutter speed 1/2 sec., when Smart Shade Control is on, 50IRE)
	MIN. SUBJECT ILLUMINATION — Night Mode (monochrome)	0.02 lux (F1.6, shutter speed 1/30 sec., when Smart Shade Control is off, 50IRE) 0.002 lux (F1.6, shutter speed 1/2 sec., when Smart Shade Control is off, 50IRE) 0.001 lux (F1.6, shutter speed 1/2 sec., when Smart Shade Control is on, 50IRE)
	FOCUS	Auto/One-shot AF/Manual/Fixed at infinity
	SHOOTING DISTANCE (FROM FRONT OF LENS)	Day Mode: 0.3m (12 in.) – infinity (W), 1.0m (3.3 ft.) – infinity (T) Night Mode: 1.0m (3.3 ft.) – infinity (W), 1.5m (4.9 ft.) – infinity (T)
	SHUTTER SPEED	1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 sec.
	EXPOSURE	Auto/Auto (Flickerless)/Auto (Shutter-priority AE)/ Manual (Shutter Speed, Aperture, Gain)
	WHITE BALANCE	Auto/Light Source ((Daylight Fluorescent/White Fluorescent/ Warm Fluorescent/ Mercury Lamp/Sodium Lamp/Halogen Lamp)/Lock (One-shot WB)/Manual
	METERING MODE	Center-Weighted/Average/Spot
	EXPOSURE COMPENSATION	9 levels
	SMART SHADE CONTROL	7 levels (increases the brightness of shaded subjects in a video)
	AGC LIMIT	5 levels
	IMAGE STABILIZER	2 levels (digital)
	PAN ANGLE RANGE	340° (±170°)
	TILT ANGLE RANGE	100° (ceiling-mounted position: -90° – +10°) – When the horizotal direction of the camera is 0°
	MOVING SPEED	Pan: Max. 150°/sec., Tilt: Max. 150°/sec.
SERVER	VIDEO COMPRESSION METHOD	M-JPEG, H.264
	VIDEO SIZE	M-JPEG: 1920 x 1080, 960 x 540, 480 x 270, 320 x 240 H.264: 1920 x 1080, 960 x 540, 480 x 270
	VIDEO QUALITY	M-JPEG, H.264: 5 levels
	FRAME RATE	M-JPEG: 0.1 – 30 fps H.264: 1/2/3/5/6/10/15/30 fps
	MAX. FRAME RATE	1920 x 1080: 30 fps
	I-FRAME INTERVAL	0.5/1/1.5/2/3/4/5 sec
	SIMULTANEOUS CLIENT ACCESS	Max. 30 Clients + 1 Admin Client – H.264: Max. 10 Clients
	CAMERA CONTROL	Administrator, Authorized user, Guest user (level of control varies depending on user) Max. 50 user names and passwords registered for authorized users.
	ACCESS CONTROL	User authority (user name and password), Host Access Restrictions (IPv4, IPv6)
	ENCRYPTED COMMUNICATIONS	SSL/TLS, IPsec (Auto Key Exchange/Manual)
	PROTOCOL — IPv4	TCP/IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (Client), DHCP (Client), DNS (Client), ARP, ICMP, POP3, NTP, SMTP authentication, WV-HTTP (Canon proprietary), ONVIF
	PROTOCOL — IPv6	TCP/IP, UDP, HTTP, FTP, SMTP (Client), DHCPv6 (Client), DNS (Client), ICMPv6, POP3, NTP, SMTP authentication, WV-HTTP (Canon proprietary), ONVIF
	AUTOIP	Available
	AUDIO COMPRESSION METHOD	G.711 μ-law (64 kbps)
	AUDIO COMMUNICATION METHOD	Full-duplex (two-way) – Echo cancellation function compliant Sound Transfer Protocol by Canon
	AUDIO FILE PLAYBACK	Available (audio files can be played back when an event is triggered by the intelligent function or external device input.) – A separately-sold amplifier speaker is necessary
	PRIVACY MASK	Number of registration: Max. 8 places, Number of mask colors: 1 (select from 9 colors)
	PRESET	Max. 20 positions (Digital) (Preset Tour capable)
	INTELLIGENT FUNCTION — VIDEO	Detection Types: moving object detection, abandoned object detection, removed object detection, camera tampering detection, and passing detection
	INTELLIGENT FUNCTION — DETECTION SETTINGS	Max. 15
	INTELLIGENT FUNCTION — VOLUME	Volume Detection
	EVENT TRIGGER TYPE	External Device Input, Intelligent Function (Video), Intelligent Function (Volume), Timer
	IMAGE UPLOAD	FTP/HTTP/SMTP (e-mail) Temporary storage memory in camera: Max. approx. 5 MB, Frame Rate: Max. 10 fps
	EVENT NOTIFICATION	HTTP/SMTP (e-mail)
	ON-SCREEN DISPLAY	Available
	DAYLIGHT SAVING TIME	Available
INTERFACE	NETWORK TERMINAL	LAN x 1 (RJ45, 100Base-TX (auto/full-duplex/half-duplex))
	AUDIO TERMINALS — INPUT	1 Mini-Jack Connector (Mono), LINE IN or MIC IN
	AUDIO TERMINALS — OUTPUT	1 Mini-Jack Connector (Mono), LINE OUT

SPECIFICATIONS (cont.)

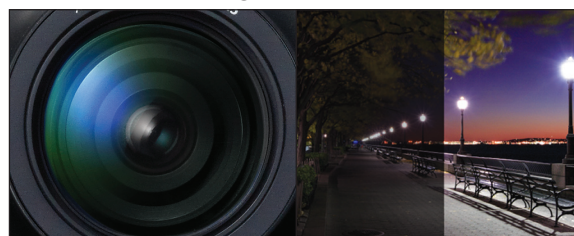|		
INTERFACE	EXTERNAL DEVICE I/O TERMINAL	Input x 2, Output x 2
	MEMORY CARD	SD, SDHC, SDXC Memory Card Compatible. Frame Rate: Max. 1 fps
OPERATING ENVIRONMENT	TEMPERATURE	-10°C – +50°C (+14°F – +122°F)
	HUMIDITY	5% – 85% (without condensation)
POWER SUPPLY	PoE	PoE power supply via LAN connector (IEEE802.3af compliant)
	AC ADAPTER	PA-V17 (100 – 240 V AC) (sold separately)
	EXTERNAL POWER SOURCE	24 V AC/12 V DC
POWER CONSUMPTION	WITH PoE	Max. approx. 9.2 W
	WITH PA-V17 AC ADAPTER	Max. approx. 10.7 W
	WITH DC	Max. approx. 8.6 W
	WITH AC	Max. approx. 8.8 W
OTHER	DIMENSIONS (DIAMETER X HEIGHT)	5.20 x 6.10 in. (132 x 155 mm)
	WEIGHT (APPROX)	2.514 lbs (1140 g)

OPTIONAL ACCESSORIES

ITEM CODE NO.	DESCRIPTION
2245B001	PA-V17 AC Adapter
4962B002	SS40-B-VB Black Ceiling Mount Cover

OPTIONAL SOFTWARE

ITEM CODE NO.	DESCRIPTION
8222B001	RM-64 v2.0 Network Video Recording Software
8222B002	RM-25 v2.0 Network Video Recording Software
8222B003	RM-9 v2.0 Network Video Recording Software
8222B004	RM-Viewer v2.0 (1 License)
4973B001	RM-LITE-V Additional Viewer License

Brilliant Low-Light Performance

The lens on the VB-H41 has been treated with special coatings and engineered with new auto focus algorithms to allow the camera to provide high quality images even in the toughest lighting conditions (like starlight). The VB-H41 provides color video down to 0.4 lux and B/W to 0.02 lux.

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For more info:
Call 1-800-OK-CANON (1-800-652-2666)
pro.usa.canon.com

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