

# VBS30D

CAMERA PTZ COMPACT COULEUR JOUR NUIT IP  
RESOLUTION FULLHD 1080P  
ZOOM OPTIQUE 3.5X - ZOOM NUMERIQUE 4X  
LUMINOSITE MINIMALE DE 0.07 LUX  
DETECTION INTELLIGENTE D'OBJETS  
PROTOCOLE ONVIF ET POE


**CANON**

## Caractéristiques techniques

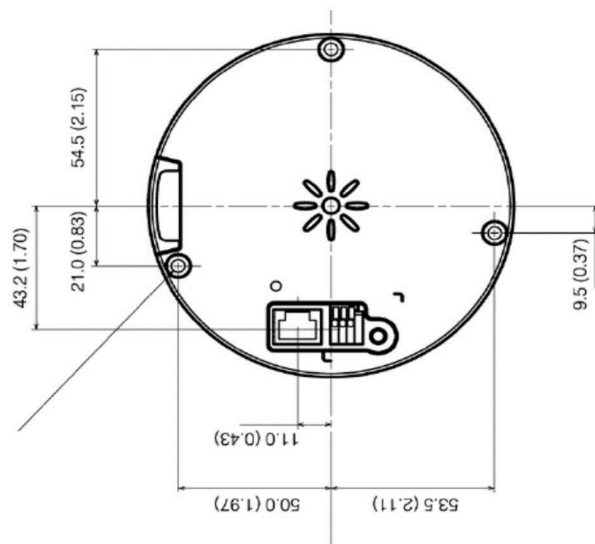
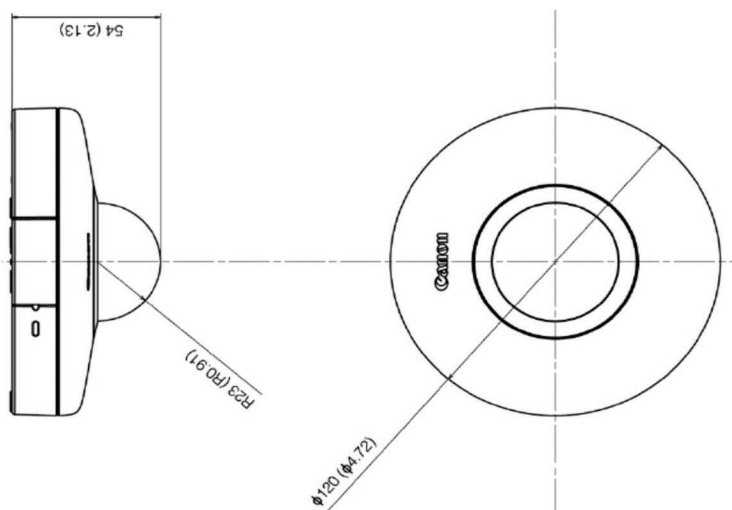
Capteur d'image	1/4.85 type CMOS
Objectif	2.25 mm - 7.88 mm
Luminosité minimale	Couleur : 0.07 Lux Noir et Blanc : 0.004 Lux
Zoom	3.5x optique et numérique 4x
Obturbateur électronique	1/2 à 1/1600 sec.
Exposition	9 niveaux
Orientation horizontale	350°
Orientation verticale	90°
Orientation	via logiciel
Résolution	1920x1080
Communication audio	G711μ-law 64kbps Protocole Canon
Zone de masquage	8 zones de masquage 9 couleurs
Interface réseau	1 port RJ45, 100Base-TX
Condition de fonctionnement	-10°C à 50°C Humidité de 5 à 85% (sans condensation)
Smart Shade Control	auto : 3 niveaux manuel : 7 niveaux

Emplacement mémoire	Carte micro SD
Enregistrement sur micro carte SD	JPEG : 1 ips max H.264 : 30 ips max
Type de montage	Saillie
Alimentation	PoE (7.8W)
Dimensions	120(D) x 54(H) mm
Poids	270 g.

## Fonctionnalités spéciales

Détection intelligente d'objets : objet en mouvement, objet abandonné, dispartition d'objet, autoprotection, 15 zones de détection d'objets, ajustement de zones sans détection

## Détails



# VB-S30D



Comprehensively protect your environment with a Canon PTZ minidome network camera.

The easy-to-install Full HD PTZ Minidome network security camera with new ultra-compact zoom lens technology. Ideal for indoor security and monitoring in businesses and venues.



- Discrete ultra-compact PTZ Minidome design
- Full HD at 30fps for detailed images
- CMOS sensor delivers high performance in low light
- 3.5x optical zoom (4x digital) with 77.7° wide Angle of View
- Pan, Tilt, Zoom (PTZ) capability to programmed pre-set positions
- Multi-streaming of MJPEG and H.264 video in Full HD or lower resolutions
- Direct recording / playback from MicroSD card (64GB)
- Comprehensive and intelligent in-built analytics
- Auto Smart Shade Control applies the ideal exposure for every environment
- Compact size: just 120mm in diameter and 54mm in height

## Product Range:

VB-R11  
VB-H43  
VB-M42  
**VB-S30D**  
VB-S31D



**Canon**

# Technical Specifications

# VB-S30D

<b>CAMERA</b>	
<b>Image Sensor</b>	1/4.85 type CMOS (primary Colour filter)
<b>Number of Effective Pixels</b>	Approx. 2.1 million pixels
<b>Scanning Method</b>	Progressive
<b>Lens</b>	3.5x optical (4x digital zoom) zoom lens with auto focus
<b>Focal Length</b>	2.25 (W) ~ 7.88 mm (T) (W): maximum wide angle, (T): maximum telephoto
<b>F-number</b>	F1.4 (W) ~ F2.6 (T)
<b>Viewing Angle</b>	For 16:9 aspect ratios: Horizontal: 77.7° (W) ~ 20.7° (T) Vertical: 40.4° (W) ~ 11.6° (T) For 4:3 aspect ratios: Horizontal: 55.3° (W) ~ 15.5° (T) Vertical: 40.4° (W) ~ 11.6° (T)
<b>Day / Night Switch</b>	Auto / Day Mode / Night Mode
<b>Min. Subject Illumination</b>	Day Mode (colour): 0.95 lux (F1.4, shutter speed 1/30 sec., SSC off, 50IRE) 0.07 lux (F1.4, shutter speed 1/2 sec., SSC off, 50IRE) 0.025 lux (F1.4, shutter speed 1/2 sec., SSC on[7], 50IRE) Night Mode (monochrome): 0.5 lux (F1.4, shutter speed 1/30 sec., SSC off, 50IRE) 0.04 lux (F1.4, shutter speed 1/2 sec., SSC off, 50IRE) 0.015 lux (F1.4, shutter speed 1/2 sec., SSC on[7], 50IRE)
<b>Focus</b>	Auto / One-shot AF / Manual / Fixed at infinity
<b>Shooting Distance</b>	0.3 m (12 in.) ~ infinity
<b>Shutter Speed</b>	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, 1/10000, 1/16000 sec.
<b>Exposure</b>	Auto / Auto (Flickerless) / Auto (Flickerless2) / Auto (Shutter-priority AE) / Manual (Shutter Speed, Gain)
<b>White Balance</b>	Auto / Light Source (Daylight Fluorescent / White Fluorescent / Warm Fluorescent / Mercury Lamp / Sodium Lamp / Halogen Lamp) / Manual (One-shot WB/R Gain/B Gain)
<b>Metering Mode</b>	Center-Weighted / Average / Spot
<b>Exposure Compensation</b>	9 levels
<b>Smart Shade Control</b>	Auto / Manual / Disable Auto: 3 levels Manual: 7 levels
<b>Haze Compensation</b>	Auto / Manual / Disable Auto: 3 levels Manual: 7 levels
<b>AGC Limit</b>	5 levels
<b>Pan Angle Range</b>	350° (±175°)
<b>Tilt Angle Range</b>	90° (ceiling-mounted position: -90° ~ 0°) ~ When the horizontal direction of the camera is 0°
<b>Moving Speed</b>	Pan: Max. 120°/sec., Tilt: Max. 120°/sec.
<b>SERVER</b>	
<b>Video Compression Method</b>	JPEG, H.264
<b>Video Size</b>	JPEG, H.264: 1920 x 1080, 960 x 540, 480 x 270 1280 x 720, 640 x 360, 320 x 180 1280 x 960, 640 x 480, 320 x 240
<b>Video Quality</b>	JPEG, H.264: 5 levels
<b>Frame Rate</b>	JPEG: 0.1 ~ 30 fps H.264: 1/2/3/5/6/10/15/30 fps ~ Values represent streaming performance from the camera. ~ The frame rate may be reduced due to Viewer PC's specs, the number of clients accessing at the same time, network loads, video quality setting, type or movement of the subject or other reasons.
<b>Max. Frame Rate</b>	When streaming JPEG, H.264 (1920 x 1080): 30 fps When used in the following combinations: When streaming H.264(1) (1920 x 1080) and H.264(2) (all sizes) simultaneously: 15 fps When streaming H.264(1) (all sizes) and H.264(2) (1920 x 1080) simultaneously: 15 fps When streaming H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps When streaming H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps
<b>I-Frame Interval</b>	0.5/1/1.5/2/3/4/5 sec.
<b>Simultaneous Client Access</b>	Max. 30 Clients + 1 Admin Client ~ H.264: Max. 10 Clients
<b>Camera Control</b>	Administrator, Authorized user, Guest user (level of control varies depending on user) Max. 50 user names and passwords registered for authorized users.
<b>Access Control</b>	User authority (user name and password), Host Access Restrictions (IPv4, IPv6)
<b>Encrypted Communications</b>	SSL / TLS, IPsec (Auto Key Exchange / Manual)
<b>IEEE 802.1X</b>	EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP

<b>Protocol</b>	IPv4: TCP / IP, UDP, HTTP, FTP, SNMPv1 / v2c / v3 (MIB2), SMTP (Client), DHCP (Client), DNS (Client), mDNS, ARP, ICMP, POP3, NTP, SMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF IPv6: TCP / IP, UDP, HTTP, FTP, SMTP (Client), DHCPv6 (Client), DNS (Client), mDNS, ICMPv6, POP3, NTP, SMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF
<b>AutoIP</b>	Available
<b>Audio Compression Method</b>	G.711 $\mu$ -law (64 kbps)
<b>Audio Communication Method</b>	Sound Transfer Protocol by Canon
<b>Privacy Mask</b>	Number of registration: Max. 8 places, Number of mask colours: 1 (select from 9 colours)
<b>View Restriction</b>	Available
<b>Preset</b>	Max. 64 positions
<b>Intelligent Function</b>	Video: Detection Types: moving object detection, abandoned object detection, removed object detection, camera tampering detection, and passing detection Detection Settings: Max. 15 Volume: Volume Detection
<b>Event Trigger Type</b>	External Device Input, Timer, Intelligent Function (Video), Intelligent Function (Volume)
<b>Image Upload</b>	FTP / HTTP / SMTP (e-mail) Temporary storage memory in camera: Max. approx. 5 MB Frame Rate: Max. 10 fps (JPEG) Max. 30 fps (H.264)
<b>Event Notification</b>	HTTP / SMTP (e-mail)
<b>On-Screen Display</b>	Available
<b>Daylight Saving Time</b>	Available
<b>Custom Settings</b>	Number of registers: 4 Items to Reg.: Pan / Tilt / Zoom, Exposure, Smart Shade Control, Haze Compensation, Focus, White Balance, Image Quality Adjustment, Day / Night
<b>APPLICATION</b>	
<b>Viewer</b>	Camera-side: Admin Viewer VB Viewer Client-side: RM-Lite Viewer
<b>Admin Tools</b>	Privacy Mask Setting Tool Panorama Creation Tool View Restriction Setting Tool Preset Setting Tool Intelligent Function Setting Tool Log Viewer Recorded Video Utility
<b>Included Software</b>	Camera Management Tool RM-Lite Proxy Authentication Admin Tools / Admin Viewer
<b>Language</b>	German / English / Spanish / French / Italian / Russian / Turkish / Japanese
<b>INTERFACE</b>	
<b>Network Terminal</b>	LAN x 1 (RJ45, 100Base-TX (auto / full-duplex / half-duplex))
<b>Audio Input Terminal (common for LINE IN &amp; MIC IN)</b>	$\Phi$ 3.5 mm ( $\Phi$ 0.14 in.) mini-jack connector (monaural) Switch LINE IN / sMIC IN in the setting page. LINE IN x 1 (connect to an amplifier microphone) or MIC IN x 1 (connect to a microphone w/o amplifier)
<b>External Device I/O Terminal</b>	Input x 1, Output x 1
<b>Memory Card</b>	microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card Compatible. Frame Rate: Max. 1 fps (JPEG) Max. 30 fps (H.264)
<b>OTHER</b>	
<b>Operating Environment</b>	Temperature: -10°C ~ +50°C (+14°F ~ +122°F) Humidity: 5% ~ 85% (without condensation)
<b>Power Supply</b>	PoE: PoE power supply via LAN cable (IEEE802.3af compliant)
<b>Power Consumption</b>	Max. 7.8 W ~ Class 0 power sourcing equipment (requests 15.4 W)
<b>Dimensions</b>	( $\Phi$ x H) $\Phi$ 120 x 54 mm ( $\Phi$ 4.72 x 2.13 in.) ~ excluding projections
<b>Weight</b>	Approx. 270 g (9.6 oz.)

All data is based on Canon standard testing methods except where indicated.  
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