The PT Minidome is a full HD network security camera with new ultra-compact lens technology. Ideal for indoor security in retail, education and business environments.

- Full HD at 30fps for clear, detailed images
- CMOS sensor delivers high performance in low light
- Wide angle F/1.6 Canon lens offers a 95° Angle of View
- Multi-streaming of MJPEG and H.264 video in Full HD or lower resolutions
- Direct recording / playback from MicroSD card (64 GB)
- Comprehensive and intelligent in-built analytics
- Auto Smart Shade Control applies the optimum exposure for every environment
- Compact size: just 120 mm in diameter and 54 mm in height

Product Range:
VB-R11
VB-H43
VB-M42
VB-S30D
VB-S31D
CAMERA

- **Image Sensor**: 1/3 type CMOS (primary colour filter)
- **Number of Effective Pixels**: Approx. 2.1 million pixels
- **Scanning Method**: Progressive
- **Lens**: Fixed focal length lens (4x digital zoom)
- **Focal Length**: 2.7 mm
- **F-number**: f/1.6
- **Viewing Angle**:
  - For 16:9 aspect ratios: Horizontal: 95.0° Vertical: 60.0°
  - For 4:3 aspect ratios: Horizontal: 76.0° Vertical: 60.0°
- **Day / Night Switch**:
  - Auto / Day Mode / Night Mode
- **Min. Subject Illumination**:
  - Day Mode (colour): 0.45 lx (f/1.6, shutter speed 1/30 sec., SSC off, 50IRE)
  - 0.03 lx (f/1.6, shutter speed 1/2 sec., SSC off, 50IRE)
  - 0.01 lx (f/1.6, shutter speed 1/2 sec., SSC on[7], 50IRE)
  - Night Mode (monochrome): 0.20 lx (f/1.6, shutter speed 1/30 sec., SSC off, 50IRE)
  - 0.02 lx (f/1.6, shutter speed 1/2 sec., SSC off, 50IRE)
  - 0.01 lx (f/1.6, shutter speed 1/2 sec., SSC on[7], 50IRE)
- **Shooting Distance (from front of lens)**: 0.5 m (16 ft.) – infinity
- **Shutter Speed**: 1/2, 1/4, 1/8, 1/16, 1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 sec.
- **Exposure**:
  - Auto / Auto (Flickerless) / Auto (Flickerless2) / Auto (Shutter-priority AE)/ Manual (Shutter Speed, Gain)
- **White Balance**:
  - Auto / Auto (Flickerless) / Auto (Flickerless2) / Auto (Shutter-priority AE) / Manual (Shutter Speed, Gain)
- **Metering Mode**:
  - Center-Weighted / Average / Spot
- **Exposure Compensation**:
  - 9 levels
- **Haze Compensation**:
  - Auto / Manual / Disable
  - Auto: 3 levels
  - Manual: 7 levels
- **AOC Limit**:
  - 5 levels
- **Pan Angle Range**:
  - 350° (±175°)
- **Tilt Angle Range**:
  - 90° (ceiling-mounted position: -90° – 0°)
  - When the horizontal direction of the camera is 0°
- **Moving Speed**:
  - Pan: Max. 120°/sec., Tilt: Max. 120°/sec.

SERVER

- **Video Compression Method**: JPEG, H.264
- **Video Size**: 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
- **Video Quality**: JPEG, H.264: 5 levels
- **Frame Rate**:
  - JPEG: 0.1 – 30 fps
  - H.264: 1/2, 3/5, 6/10, 15/30 fps
- **Max. Frame Rate**:
  - When streaming JPEG, H.264: 1920 x 1080: 30 fps
  - When used in the following combinations:
    - 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.
  - 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) (1920 x 1080) and H.264(2) (1920 x 1080) simultaneously: 15 fps
- **I-Frame Interval**:
  - 0.5/1/2/3/4/5 sec.
- **Simultaneous Client Access**:
  - Max. 30 Clients x 1 Admin Client
  - H.264: Max. 10 Clients
- **Camera Control**:
  - Administrator: Authorized user.
  - Guest user: One 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
- **Encrypted Communications**:
  - SSL / TLS, iSAC (Auto Key Exchange / Manual)
- **IEEE 802.1X**:
  - EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP

Protocol

- **IPv4**: TCP / IP, UDP, HTTP, FTP, SMTPv1 / v2c / v3 (MB, SMTP Client), DHCPv4 / v6 (Client), DNS (Client), mDNS, ARP, ICMP, IPS, NTP, SMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF
- **IPv6**: TCP/UDP, FTP, SMTP (Client), DHCPv6 (Client), DNS (Client), mDNS, ICMPv6, POP3, NTP, SMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF

Audio

- **Audio Compression Method**:
  - Available
- **Audio Communication Method**:
  - Sound Transfer Protocol by Canon

Privacy Mask

- **Number of registration**: Max. 8 places, Number of mask colours: 1 (select from 9 colours)

View Restriction

- **Available
- **Preset**:
  - Max. 64 positions

Intelligent Function

- **Detection Types**:
  - Moving object detection, abandoned object detection, removed object detection, camera tampering detection, and passing detection
- **Detection Settings**: Max. 15

Event Trigger Type

- **External Device Input**:
  - Timer, Intelligent Function (Video), Intelligent Function (Volume)

Image Upload

- **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)

Event Notification

- **HTTP / SMTP (e-mail)**

On-Screen Display

- **Available
- **Daylight Saving Time**:

Custom Settings

- **Number of registers**: 4 Items to Reg.: Pan / Tilt / Zoom, Exposure, Smart Shade Control, Haze Compensation, White Balance, Image Quality Adjustment, Day / Night

APPLICATION

- **Viewers**:
  - Camera-side: Admin Viewer
  - Client-side: RM-Lite Viewer

- **Admin Tools**:
  - Privacy Mask Setting Tool
  - Panorama Creation Tool
  - View Restriction Setting Tool
  - Preset Setting Tool
  - Intelligent Function Setting Tool
  - Log Viewer
  - Recorded Video Utility

Included Software

- **Camera Management Tool**: RM-Lite
- **Proxy Authentication Admin Tools**: Admin Viewer

Language

- **German / English / Spanish / French / Italian / Russian / Turkish / Japanese

INTERFACE

- **Network Terminal**:
  - LAN x 1 (RJ45, 10Base-TX, full-duplex / half-duplex)

Audio Input Terminal

- **Audio Input Terminal (common for LINE IN & MIC IN)**:
  - 0.5 mm (0.04 in.) mini-jack connector (monaural)
  - Switch LINE IN / MIC IN in the setting page
  - LINE IN x 1 (connect to a microphone w/o amplifier)
  - MIC IN x 1 (connect to a microphone w/ a/s amplifier)

External Device I/O Terminal

- **Input x 1, Output x 1

Memory Card

- **Memory Card**: microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card Compatible
- **Frame Rate**: Max. 1 fps (JPEG)
- **Max. 30 fps

OTHER

- **Operating Environment**:
  - Temperature: -10°C – +50°C (+14°F – +122°F)
  - Humidity: 5% – 85% (without condensation)

Power Supply

- **PoE**: PoE power supply via LAN cable (IEEE802.3af compliant)

Power Consumption

- **Max. 7.6 W
- **Class 0 power sourcing equipment (requests 15.4 W)

Dimensions

- **(W x H x D)**: 4.72 x 2.13 x 0.14 in. (120 x 54 x 0.35 mm)

Weight

- **Approx. 270 g (0.6 oz.)

All data is based on Canon standard testing methods except where indicated. Subject to change without notice.

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