iA (intelligent Auto) H.265 Compact Dome Camera

Panasonic WV-S3512LM is a compact & simple design multifunction camera that achieves high visibility even under extreme conditions and can be placed in a small space without damaging the landscape. Intelligent Auto (iA) allows the camera to automatically adjust the key settings in real-time depending on the scenery and movement, reducing distortion such as motion blur and moving objects. New industry-leading 134dB dynamic range delivers balanced scene exposure in dynamic and extreme-backlit lighting environments. In addition, color night vision provides outstanding low-light performance with accurate color rendition and saturation from i-Pro’s 1/3” sensor, rivaling the performance of costlier 1/2” sensor cameras in the market. The adopted H.265 Smart Coding technology, intelligently reduces bandwidth efficiency of up to 95%* more than conventional H.264 for longer recording and less storage. Cameras out-of-the-box, use an encryption module standardized by FIPS Publication 140-2 for secure video streaming.

*Value in Advanced mode with Smart Facial Coding depends on scene.

Extreme image quality allows evidence to be captured even under challenging conditions
- Auto Shutter speed control for fast moving objects with Intelligent Auto
- Sharp and clear images of a walking person day & night
- Outstanding low light performance in true color with low noise for night time applications
- Super Dynamic 134dB for backlit situations involving headlights and shadows on night streets
- Built-in IR LED to produce a clear monochrome image in 0 lux conditions with 15 m (49 feet) irradiation distance
- Wide area surveillance even in compact design. moreover, corridor mode to survey vertically long area.
- Environmental durability : IP66, IK10, EN50155

Extreme bandwidth compression with new Panasonic H.265 Smart Coding
- Longer recording and less storage compared to any H.264 based compression techniques
- New self-learning ROI* encoding (Auto VIQS) detects movement within the image and compresses the areas with little motion in order to reduce transmitted data while maintaining the quality of the image.
- New “Smart Facial Coding” adds more bandwidth reduction for ID camera applications mainly capturing faces

*Region of Interest

Extreme Data Security
- Full encryption microSDXC/microSDHC/microSD card edge recording to keep your data safe
- FIPS140-2 CAVP compliant *Using encryption module standardized by FIPS publication 140-2
- Full end-to-end system encryption with supported VMS and devices to protect from IP snooping/spoofing and detect data alteration

Key Features
- HD 720p 60fps
- iA (intelligent Auto)
- Extreme Super Dynamic 134dB
- Color night vision (0.0013 to 0.02 lx)
- H.265 Smart Coding
- Built-in IR LED
- Corridor mode (90 degrees or 270 degrees in image rotation)
- i-VMD License Bundled

Industry examples
- Train
- Light rail transit
- Subway car
- Bus
- Railroad Crossing
Specifications

**Camera**
- Image Sensor: 1/3 type CMOS image sensor
- Minimum Illumination:
  - [F/2.3, Maximum Shutter: Off (1/30s), AGC: 11] : 0.001lx (Color), 0.0007lx (Black 
  - [F/2.3, Maximum Shutter: 1/20, AGC: 11, when the IR LED is on] : 0.003lx (Color), 0.0007lx (Black)

**Network**
- Audio Compression: G.726 (AOPCM): 16 kbps / 32 kbps
- Supported Protocol:
  - IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTMP, RTP, RTCP, FTMP, SMPT, DHCP, DNS, DDNS, NTP, SNTP, UPnP, IGMP, ICMP, ARP
  - IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTMP, RTP, RTCP, FTMP, SMPT, DHCP, DNS, DDNS, NTP, SNTP, UPnP, IGMP, ICMP, ARP

**No. of Simultaneous Users**
- Up to 14 users (Depends on network conditions)
- microSD/microSDHC/microSDXC**
- Manual REC / Alarm REC (Post/Pre) / Schedule REC / Memory Card**

**Audio Compression**
- G.711                 : 64 kbps
- G.726 (ADPCM) : 16 kbps / 32 kbps
- AAC-LC : 16 kbps / 32 kbps
- AAC-LC** : 32 kbps
- AAC-LC** : 64 kbps / 128 kbps

**Input/Output**
- Built-in microphone: Non-directional electret condenser microphone

**General**
- EN: EN50155 : 2017 Class OT2/ST2 (EN 50155 : 2007 Class TX), IEC62236-3-2
- Shock Resistance: IK10 (IEC 62262)
- Ambient Operating Humidity: ±20 °C to +60 °C (-4 °F to +140 °F)

**Dimensions**
- ø109 mm x 53 mm (H) {ø4-9/32 inches x 2-3/32 inches (H)}

**Mass (approx.)**
- 410 g (0.91 lbs)

**Finish**
- Main body: Aluminum die cast, light gray
- Dome section: Polycarbonate resin, Clear

**Conversion**
- 1 Conversion rate : 2 "Smart Dynamic Function" may not be used at the same time.
- 2 "Smart Dynamic Function" may be used on an 60 fps mode
- 3 "Smart Dynamic Function" may not be used at the same time.
- 4 Specifications of [90 °C] and [270 °C] are only available for the [19 °C mode]
- 5 Transmission for 4 streams can be individually set
- 6 When recording audio on an microSDXC/microSDHC/microSD memory card, only use Panasonic 2 GB, 4 GB, 8 GB, 16 GB, 32 GB, 64 GB** model
- 7 The replacement cycle (target) of a microSD memory card differs from that of a standard size SD memory card.
- 8 When recording audio on an microSDXC/microSDHC/microSD memory card, only use Panasonic 2 GB, 4 GB, 8 GB, 16 GB, 32 GB, 64 GB** model
- 9 Including alarms from Plug-in Software
- 10 This product satisfies this standard except for some parts.

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**Important**
- Safety Precaution : Carefully read the Important Information, Installation Guide and operating instructions before using this product.
- Panasonic cannot be responsible for the performance of the network and/or other manufacturers’ products used on the network.
- Masses and dimensions are approximate. Specifications are subject to change without notice.

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**Appearance**

**Bundled License**

**Plug-in Software for i-VMR**

- i-VMR is possible to detect objects in the specified area by advanced video analysis technology.
- i-VMR, Intruder Detection, Looming Detection, Direction Detection, Scene Change Detection, Object Detection, Cross Line Detection

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