# SMT-2221PVW

22-inch AI PVM (White)

## Key Features

- Built-in 2MP AI camera with 3mm fixed F1.6 lens
- SUNAPI / ONVIF Profile S/G/T/M
- AI-based object classification and analytics
- Motion- and event-activated LED and audio alarm
- Person/face detection box
- Image slide show (no additional storage required)
- Customizable text overlay with default "Recording in progress" message
- On-screen custom logo image
- Monitor management via WebUI (power on/off, scheduling, banner, etc.)
- Dual power: PoE+ (802.3at) and DC 24V (adapter not included)

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## Specifications

### Display

| | |
|---|---|
| Type | LED Monitor |
| Screen Size | 22inch |
| Max. Resolution | 1920x1080 |
| Brightness | 250 cd/m² |
| Contrast Ratio | 1000:1 |
| Aspect Ratio | 16:9 |
| Viewing Angle (H/V) | 178°/178° |
| Display Color | 16.7M |
| Response Time | 14ms |
| Panel Life | 30,000 hours |

### Interface

| | | |
|---|---|---|
| Video | Connectors | Camera(Internal) |
| Audio | Output Signal | Speakers : 8Ω 1W x 2 |
| Alarm | Alarm I/O | Input 1ea / Output 1ea |
| Network | Ethernet | 1 RJ-45 10/100BASE-T |
| General | Edge Storage | Micro SD/SDHC/SDXC 1slot 256GB |

### On Screen Display

| | |
|---|---|
| Functions | VESA™ DPMS Compatible |
| Language | English, Spanish, French |

### General

| | | |
|---|---|---|
| Electrical | Input Voltage | DC24V, HPoE 802.3bt |
| | Power Consumption | 22.5W (Typ.), 28.0W (Max) |
| Environmental | Operating Temperature | 0 ~ +40°C (+32°F ~ +104°F) |
| | Operating Humidity | 10% ~ 80% (non-condensing) |

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## General

| | | |
|---|---|---|
| **Mechanical** | Dimensions without Stand (WxHxD) | 300.0mm x 48.0mm x 573.0mm(11.8 x 1.9 x 22.6") |
| | Weight | 5.45 Kg(12.0lb) |
| | Packing Dimension (WxHxD) | 410.0 x 150.0 x 675.0 mm(16.1 x 5.9 x 26.6") |
| | Packing Weight | 6.7 Kg(14.8lb) |
| | Cabinet Color | White |
| | VESA Mounts Interface | 100x100mm |

## Camera

| | | |
|---|---|---|
| **Video** | Imaging Device | 1/2.8" 2MP CMOS |
| | Max. Framerate | H.265/H.264: Max. 30fps/25fps(60Hz/50Hz),<br>MJPEG: Max. 15fps/12fps(60Hz/50Hz) |
| | Min. Illumination | Color: 0.03Lux (F1.6, 1/30sec) |
| **Lens** | Focal Length (Zoom Ratio) | 3.06mm fixed focal |
| | Max. Aperture Ratio | F1.6 |
| | Angular Field of View | H: 107.7° / V: 59.0° / D: 126.7° |
| **Operational** | Backlight Compensation | BLC, WDR, SSDR |
| | Wide Dynamic Range | 120dB |
| | Digital Noise Reduction | SSNR V , WiseNR II (Based on AI engine) |
| | Motion Detection | 8ea, 8point Polygonal zones |
| | Privacy Masking | 32ea, 4point Quadrangle zones |
| | Gain Control | Low / Middle / High |
| | White Balance | ATW / AWC / Manual / Indoor / Outdoor |
| | LDC | Support |
| | Electronic Shutter Speed | Minimum / Maximum / Anti flicker (1/5~1/12,000sec) |
| | Digital PTZ | Support |
| | Video Rotation | Flip, Mirror, Hallway view(90˚/270˚) |
| | Analytics | Classified object type: Person/Face,<br>Attributes: Not support,Support BestShot,Analytics events based on AI engine,- Motion detection,Object detection,Virtual line(Crossing/Direction),Virtual area(Loitering/Intrusion/Enter/Exit),Analytics events - Defocus detection,Tampering,Virtual area(Appear/Disappear) |
| | Business Intelligence | People counting, Queue management, Heatmap based on AI engine |
| | Alarm Triggers | Analytics, Network disconnect, Alarm input |
| | Alarm Events | When alarm trigger occurred,<br>- File upload(image) : e-mail/FTP,<br>- Notification : e-mail,<br>- Recording : SD/SDHC/SDXC or NAS recording at event triggers,- Alarm output,- Handover(PTZ preset,Send message by HTTP/HTTPS/TCP) |

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## Camera

| | | |
|---|---|---|
| **Network** | Smart Codec | WiseStreamIII |
| | Application Programming Interface | ONVIF Profile S/G/T/M, SUNAPI(HTTP API) |
| **General** | Memory | 2GB RAM, 1GB Flash |
| **Security** | OS / Firmware Protect | Secure boot, Signed firmware, Firmware encryption |
| | User authentication | Digest Authentication, Prevent brute-force attack |
| | Network authentication | 802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2) |
| | Secure Communication | HTTPS, SRTP, WSS(Websocket secure) |
| | Access Control | Access control based on IP address |
| | Data Protect | Authentication information encryption, ZIP compression encryption |
| | Audit | User Access/System/Event log management |
| | Device ID | Device Certificate(Hanwha Private Root CA) |
| | Secure Storage | SDcard partition encrypt |

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