



## AVC-NPD51F28 **AI**

NDA  
COMPLIANT | CE | FC

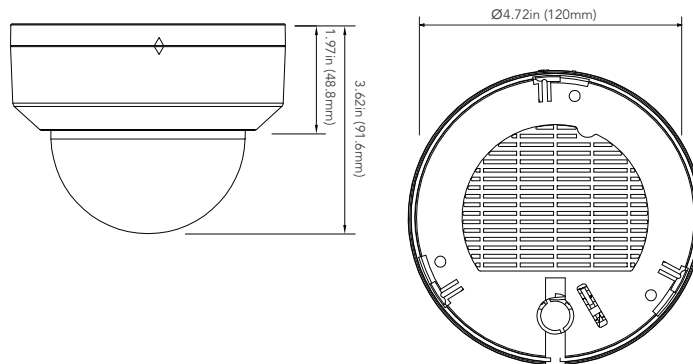
5MP H.265 FIXED INDOOR DOME NETWORK CAMERA

### OVERVIEW

- 5MP (2880x1620) @ 30fps
- Max. Resolution: 2880x1620
- H.265+/H.265, H.264+/H.264, MJPEG Encoding
- Day & Night AUTO ICR
- Fixed 2.8mm Lens (F1.6)
- 3D DNR, WDR, HLC, BLC and ROI Encoding
- Intelligent Analytics
- Built-in micro SD card slot with video and still image capture function (up to 512GB)
- DC12V/PoE power supply
- Support remote monitoring by AVYCON ONE (Mobile APP) and AVYCON CMSONE (CMS)

### DIMENSIONS

Unit : inch(mm)



### OPTIONAL ACCESSORIES



AVM-CWM-EV-S2  
COMPACT  
WALL MOUNT

## SPECIFICATIONS

| VIDEO                             |                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device                    | 1/2.7" Progressive CMOS                                                                                                                                                                                                                                                                                             |
| Resolution                        | Main Stream: 2880x1620, 2560x1440, 2304x1296, 1920x1080, 1280x720<br>Sub Stream: 1280x720, 640x480, 320x240<br>Mobile Stream: 640x480, 320x240                                                                                                                                                                      |
| Max. Framerate                    | Main Stream: Max. 30fps/25fps (60Hz/50Hz)<br>Sub Stream: Max. 30fps (60Hz/50Hz)<br>Mobile Stream: Max. 30fps (60Hz/50Hz)                                                                                                                                                                                            |
| Min. Illumination                 | Color: 0.004 lux @ F1.6 (AGC on)<br>B/W: 0 lux (IR LED on)                                                                                                                                                                                                                                                          |
| Compression                       | Video: H.265+/H.265 Main Profile, H.264+/H.264 High Profile, MJPEG (Sub Stream Only)<br>Audio: G.711a / G.711u                                                                                                                                                                                                      |
| Bitrate Control                   | CBR or VBR (256Kbps ~ 8Mbps)                                                                                                                                                                                                                                                                                        |
| LENS                              |                                                                                                                                                                                                                                                                                                                     |
| Focal Length (Zoom Ratio)         | 2.8mm Fixed                                                                                                                                                                                                                                                                                                         |
| Max. Aperture Ratio               | F1.6                                                                                                                                                                                                                                                                                                                |
| Angular Field of View             | Horizontal: 110°, Vertical: 58°, Diagonal: 133°                                                                                                                                                                                                                                                                     |
| Min. Object Distance              | 5.9ft (1.8M)                                                                                                                                                                                                                                                                                                        |
| Focus Control                     | N/A                                                                                                                                                                                                                                                                                                                 |
| Lens Type                         | Fixed (M12)                                                                                                                                                                                                                                                                                                         |
| PAN / TILT / ROTATE               |                                                                                                                                                                                                                                                                                                                     |
| Pan / Tilt / Rotate Adjustment    | Manual Adjustment                                                                                                                                                                                                                                                                                                   |
| OPERATIONAL                       |                                                                                                                                                                                                                                                                                                                     |
| Camera Title                      | Title Displayed up to 32 characters                                                                                                                                                                                                                                                                                 |
| Day & Night                       | AUTO (ICR)                                                                                                                                                                                                                                                                                                          |
| Exposure Compensation             | BLC, HLC, WDR                                                                                                                                                                                                                                                                                                       |
| Digital Noise Reduction           | 3D DNR                                                                                                                                                                                                                                                                                                              |
| Digital Image Stabilization       | N/A                                                                                                                                                                                                                                                                                                                 |
| Motion Detection                  | Rectangle Grid (8 Levels of Sensitivity)                                                                                                                                                                                                                                                                            |
| Privacy Masking                   | 4 Rectangle Zones                                                                                                                                                                                                                                                                                                   |
| Gain Control                      | AUTO                                                                                                                                                                                                                                                                                                                |
| White Balance                     | AUTO / MANUAL                                                                                                                                                                                                                                                                                                       |
| LDC                               | N/A                                                                                                                                                                                                                                                                                                                 |
| Eletronic Shutter Speed           | AUTO / Manual (1/5 ~ 1/20000s)                                                                                                                                                                                                                                                                                      |
| Video Rotation                    | Flip / Mirror                                                                                                                                                                                                                                                                                                       |
| Analytics                         | Face Detection (FD), Pedestrian & Vehicle Detection (PD&VD), Intrusion Detection (ID), Line Crossing Detection (TD), Tripwire Counting (TC), Stationary Object Detection (OBJ), Heat Map (HM), Crowd Density Detection (CD), Queue Length Detection (QD), License Plate Detection (LPR), Rare Sound Detection (RSD) |
| Alarm I/O                         | N/A                                                                                                                                                                                                                                                                                                                 |
| Alarm Triggers                    | Motion, Sound Detection                                                                                                                                                                                                                                                                                             |
| Alarm Events                      | Notification via E-mail, Image file upload via FTP, Video file upload via FTP, Image file upload to Cloud (Dropbox), Video file upload to Cloud (Dropbox), Micro SD recording at event triggered, Event Push via HTTP / UDP                                                                                         |
| Audio In                          | 1 Line-In (RCA)                                                                                                                                                                                                                                                                                                     |
| Audio Out                         | 1 Line-Out (RCA)                                                                                                                                                                                                                                                                                                    |
| IR Viewable Length                | 65ft (20M)                                                                                                                                                                                                                                                                                                          |
| NETWORK                           |                                                                                                                                                                                                                                                                                                                     |
| Ethernet                          | RJ45 (10/100BASE-T)                                                                                                                                                                                                                                                                                                 |
| Streaming                         | Unicast / Multicast                                                                                                                                                                                                                                                                                                 |
| Protocol                          | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP, RTMP (v8.2.3 firmware and above)                                                                                                                                                                                                        |
| Security                          | Login Authentication, IP Address Filtering, User access log                                                                                                                                                                                                                                                         |
| Application Programming Interface | ONVIF Profile S/G/T, REST API                                                                                                                                                                                                                                                                                       |
| GENERAL                           |                                                                                                                                                                                                                                                                                                                     |
| Webpage Language                  | English, Korean                                                                                                                                                                                                                                                                                                     |
| Edge Storage                      | Micro SD/SDHC/SDXC Slot (up to 512GB) with video and still image capture function                                                                                                                                                                                                                                   |
| Memory                            | N/A                                                                                                                                                                                                                                                                                                                 |
| ENVIRONMENTAL & ELECTRICAL        |                                                                                                                                                                                                                                                                                                                     |
| Operating Temperature / Humidity  | -31°~131°F (-35°~+55°C) / less than ≤ 95% RH                                                                                                                                                                                                                                                                        |
| Storage Temperature / Humidity    |                                                                                                                                                                                                                                                                                                                     |
| Input Voltage                     | PoE(IEEE802.3at) / 12VDC                                                                                                                                                                                                                                                                                            |
| Power Consumption                 | Max. 3W (IR LED off), Max. 4W (IR LED on)                                                                                                                                                                                                                                                                           |
| MECHANICAL                        |                                                                                                                                                                                                                                                                                                                     |
| Color / Material                  | White / Plastic                                                                                                                                                                                                                                                                                                     |
| Product Dimensions / Weight       | Ø4.72x3.62in (120x91.6mm) / 1.01lbs (456g)                                                                                                                                                                                                                                                                          |
| DORI (EN62676-4-STANDARD)         |                                                                                                                                                                                                                                                                                                                     |
| Detect (25PPM / 8PPF)             |                                                                                                                                                                                                                                                                                                                     |
| Observe (63PPM / 19PPF)           |                                                                                                                                                                                                                                                                                                                     |
| Recognize (125PPM / 38PPF)        |                                                                                                                                                                                                                                                                                                                     |
| Identify (250PPM / 76PPF)         |                                                                                                                                                                                                                                                                                                                     |