

16ch 8MP 112Mbps Real-time Advanced AI PoE NVR



- 16 Channels of IP Cameras, 4K Resolution
- Smart Motion Detection (Human, Vehicle, Perimeter, Line Crossing, etc.)
- AI Analytics (Facial, Vehicle, License Plate, Cross Counting, Heat Map, Crowd Density, Queue Depth, Stranded Object, Missing Object, Gun Shot/Dog Bark/Baby Cry Detection)
- 112 Mbps Input Bandwidth
- 16 Plug-n-Play PoE Ports
- H.265+/H.265/H.264 Video Compression
- P2P Remote Access w/ Mobile App or Client Software via QR Code
- Browser-based Remote Access
- 4K HDMI Video Display Output
- 10/100/1000 Network Interface
- Dropbox/Google Drive/FTP/Email Alarm Image/Video Support
- RTMP Support for Streaming Live to Youtube
- Amazon Alexa & Google Chromecast Support
- DDNS Support
- Network-Attached Storage
- NDA A Compliant
- 3-Year Warranty

Technical Specifications

Video	
Camera Inputs	16
Camera Input Resolution	8MP, 5MP, 3MP, 2MP(1080P), 1.3MP(960P), 1.0MP(720P)
Incoming Bandwidth	112 Mbps
Outgoing Bandwidth	96 Mbps
Output	"1 x HDMI (3840*2160/EDID, 2560*1440, 1920*1080, 1440*900, 1280*1024, 1280*720, 1024*768) 1 x VGA (1920*1080, 1440*900, 1280*1024, 1280*720, 1024*768)"
Compression	H.265+, H.265, H.264+, H.264, MJPEG
Streams	3 - Mainstream, Substream, Mobile Stream
Audio	
Network Input	16 Channels
Local Input	No
Local Output	RCA x 1, HDMI
Compression	G.711a
Record	
Resolution	8MP, 5MP, 3MP, 2MP(1080P), 1.3MP (960P), 1.0MP(720P)
Max Channel FPS	60 FPS (camera dependent)
Max Channels at 4K@30FPS	14-ch
Playback	
Simultaneous Playback	16-ch
Search	Time Slice / Time / Event / Tag Search / Smart Search / AI
Function	Play, Pause, FF/FB (2/4/8/16x), Slow Forward (1/2, 1/4, 1/8, 1/16x), Single Frame Step
Frame Rate	4K: 45 FPS, 4MP: 90FPS, 2MP: 180FPS
Alarm	
Mode	Manual, Sensor, Motion, Exception, AI Events
Input	Supports IP Camera Alarm Input
Output	Supports IP Camera Alarm Output
Action	Record, Message, Push Notification, Email, FTP Image/Video upload, Cloud Image/Video upload, Voice Alert
Functions	
License Plate Recognition	Yes
Facial Recognition	Yes
Additional AI	Pedestrian, Vehicle, Perimeter Intrusion, Line Crossing, Cross Counting, Heat Map, Crowd Density, Queue Depth, Rare Sound, Abandoned/Missing Object, Video Tampering
Active Deterrence Support	Yes
Fisheye Dewarp	No
Cloud Storage	Google Drive / Dropbox
Voice Assist	Amazon Alexa/Echo, Google Chromecast
Regions of Interest (ROI)	Yes

Other	Live Stream to Youtube.com
Mobile Device	
OS	Android, iOS
App	XMV
P2P Easy Setup	Yes
Primary Storage	
HDD Interface	SATA x 2 (up to 12 TB drives)
E-SATA	No
Network Storage	NAS (NFS, SMB/CIFS)
Disk Groups	No
Backup	
Local Backup	USB Flash, USB HDD
Network Backup	FTP, Cloud, NAS
Connections	
USB	2 x USB 2.0
RS485	No
PoE	
PoE Ports	16 RJ-45 10/100M Self-Adaptive Ethernet
Standards	IEEE 802.3af/at
Output Power	Max 30W for a single port, Max 59W in total
General	
Power Supply	DC48V/3.75A
Power Consumption	8 W (without HDD)
Dimensions (mm)	300 x 302 x 54
Working Environment	Temperature: -10°C ~ +50° (14°F ~ 122°F) Humidity: Less than 90% RH
NDA-compliant	Yes