

256ch 12MP 1024Mbps Real-time Advanced AI NVR



- 256 Channels of IP Cameras, up to 4K@30FPS on 128 Channels
- 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)
- 1024 Mbps Input Bandwidth
- H.265+/H.265/H.264 Video Compression
- Fisheye Dewarp
- P2P Remote Access w/ Mobile App or Client Software via QR Code
- Browser-based Remote Access
- Four HDMI Video Display Outputs
- Two 10/100/1000 Network Interfaces
- RAID, Hot-Swappable HDDs (Supports 16 HDD @ 18TB each)
- 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 and E-SATA for Unlimited Storage
- NDA A Compliant
- 3-Year Warranty

Technical Specifications

Video	
Camera Inputs	256
Camera Input Resolution	12MP, 8MP, 5MP, 3MP, 2MP(1080P), 1.3MP(960P), 1.0MP(720P)
Incoming Bandwidth	1024 Mbps
Outgoing Bandwidth	800 Mbps
Output	HDMI 1-3 - (3840*2160/EDID, 2560*1440, 1920*1080, 1440*900, 1280*1024, 1280*720, 1024*768) HDMI 4 - 1920*1080, 1440*900, 1280*1024, 1280*720, 1024*768) Async Out
Compression	H.265+, H.265, H.264+, H.264, MJPEG
Streams	3 - Mainstream, Substream, Mobile Stream
Audio	
Network Input	256 Channels
Local Input	RCA x1
Local Output	RCA x 1, HDMI
Compression	G.711a
Record	
Resolution	12MP, 8MP, 5MP, 3MP, 2MP(1080P), 1.3MP (960P), 1.0MP(720P)
Max Channel FPS	60 FPS (camera dependent)
Max Channels at 4K@30FPS	64-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: 240 FPS, 4MP: 480FPS, 2MP: 960FPS
Alarm	
Mode	Manual, Sensor, Motion, Exception, AI Events
Input	16 Physical Inputs, Supports IP Camera Alarm Input
Output	4 Physical 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	Yes
Cloud Storage	Google Drive / Dropbox

Voice Assist	Amazon Alexa/Echo, Google Chromecast
Regions of Interest (ROI)	Yes
Other	Live Stream to Youtube.com
Network	
Interface	2x RJ-45 10/100/1000 Base-T Ethernet
Protocols	P2P, UPnP, NTP, DHCP, PPPoE, DNS, DDNS, HTTP, HTTPS, RTSP, ONVIF, SNMP v1/2/3, Telnet, RTMP, IP Filter, SMTP, etc
Mobile Device	
OS	Android, iOS
App	XMV
P2P Easy Setup	Yes
Primary Storage	
HDD Interface	SATA x 16 (up to 18 TB drives)
E-SATA	Yes
Network Storage	NAS (NFS, SMB/CIFS)
Disk Groups	Yes
Backup	
Local Backup	USB Flash, USB HDD
Network Backup	FTP, Cloud, NAS
Connections	
USB	1 x USB 2.0, 2x USB 3.0
RS485	Yes
PoE	
PoE Ports	None
Standards	n/a
Output Power	n/a
General	
Power Supply	250 W
Power Consumption	8 W (without HDD)
Dimensions (mm)	440 x 460 x 149
Working Environment	Temperature: -10°C ~ +50° (14°F ~ 122°F) Humidity: Less than 90% RH
NDAA-Compliant	Yes