

### Overview

- Support H.265/H.264 video formats
- Support cloud Firmware upgrade
- NDAA Compliant
- 32-channel input
- Support 1-ch HDMI and 1-ch VGA independent output
- Up to 16 Megapixels resolution recording
- 4 SATA HDDs, up to 16TB for each HDD
- ANR technology to enhance the storage reliability when the network is disconnected
- Support mainstream camera of ONVIF conformance (Profile G, S, T) and RTSP protocols



### Technical Specification

Video/Audio Input	
IP Video Input	32-ch
Supported camera	advidia M-series
Audio Input	1-ch, RCA (Using the audio input and output)

Video/Audio Output	
HDMI/VGA Output	HDMI: 4K (3840x2160)/30Hz, 1920X1080/60Hz, 1920X1080/50Hz, 1600X1200/60Hz, 1280X1024/60Hz, 1280X720/60Hz, 1024X768/60Hz VGA: 1920X1080/60Hz, 1920X1080/50Hz, 1600X1200/60Hz, 1280X1024/60Hz, 1280X720/60Hz, 1024X768/60Hz
Recording Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Recording Mode	Normal, Event, Manual
Audio Output	1-ch, RCA
Camera Control	Pan/Tilt, Zoom, Focus, Iris, Preset Position, Preset Patrol, Recorded Patrol, Auto Guard
Synchronous Playback	16-ch
Multiscreen Mode	Normal Mode: 1/4/6/8/9/16/25/32 Corridor Mode: 3/4/5/7/9/10/12/16/32 Web Client: 1/4/6/8/9/10/13/16

Network	
Incoming Bandwidth	320Mbps
Outgoing Bandwidth	160Mbps
Remote Users	128
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, RTSP, 802.1x, IPv6, IPv4

<b>Decoding</b>	
Decoding format	H.265/H.264
Live view/Playback	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF
Capability	H.265: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 6 x 5MP@30, 8 x 4MP@30, 10 x 3MP@30, 16 x 1080P@30, 32 x 960P@25 H.264: 2 x 16MP(4800*2688)@30, 2 x 12MP@30, 2 x 4K@30, 4 x 5MP@30, 6 x 4MP@30, 8 x 3MP@30, 14 x 1080P@30, 30 x 720P@30, 30 x D1@25
SATA	4 SATA interfaces
Capacity	Up to 16TB for each disk

<b>Snapshot</b>	
FTP/Schedule/Event Snapshot:	4-ch snapshot, up to D1 resolution

<b>Video Analytics</b>	
VCA Detection by Camera	Motion detection, Tampering detection, Intrusion detection, Cross line detection, Audio detection, Auto tracking
VCA Search	Behaviour Search (Cross line, Intrusion)

<b>Disk Array</b>	
Array Type:	RAID 1, 5

<b>External Interface</b>	
Network Interface:	2x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45) self-adaptive Ethernet Interface
Serial Interface:	1 x RS485
USB Interface:	Front panel: 1 x USB2.0, Rear panel: 1 x USB2.0, 1 x USB3.0
Alarm In:	16-ch
Alarm Out:	4-ch

General	
Safety:	CE: EN 62368-1:2014+A11:2017
EMC:	FCC: FCC Part 15 CE-EMC: EN 55032/ EN 55035/ EN IEC 61000-3-2/ EN 61000-3-3
Power Supply:	100~240 VAC Power Consumption: ≤ 20 W (without HDD)
Working Environment:	-10°C~+ 55°C (+14°F~+131°F), Humidity ≤ 90% RH (non-condensing)
Dimensions (W×D×H):	440mm × 344mm × 48mm (17.3" × 13.5" × 1.9")
Weight (without HDD):	≤3.4kg (7.50lb)

Dimension	Diagram
Rear Panel	

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