

INVID-K164D512: 16 Channel NVR with 4 TB +(12) 5-Megapixel Cameras NDA Compliant



5 Megapixel IP Plug & Play, Outdoor Dome, Fixed Lens,
Up to 98' IR Range, WDR, Built-in Mic, SD Card Slot, PoE/12VDC

Features

- 5 Megapixel Resolution
- Fixed Lens
- True Day/Night with IR Range up to 98'
- H.265+, H.265, H.264+, H.264
- 20 FPS Recording and Live
- True WDR 120dB
- Micro SD Slot: Up to 256GB
- Audio Input: Built-in Mic
- IP67 Weatherproof
- IK10 Vandal Resistant
- 12VDC/PoE Operation
- ONVIF
- Supports Corridor Mode
- Supports Native Chrome/EDGE Use
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS)
- Free MAC Client



Image Sensor	1 / 2.7 "CMOS			
Image Size	2880x1620			
Electronic Shutter	1 s ~ 1 / 100000 s			
Iris Type	Fixed Iris			
Min. Illumination	0.007 lux @F1.6, AGC ON; 0 lux with IR			
Lens	2.8mm@F1.6, Horizontal FoV:110.5°; Vertical FoV:57°; Diagonal FoV:131°			
Focus	Fixed			
Lens Mount	M12			
Day&Night	ICR			
Wide Dynamic Range	120db			
BLC	Yes			
HLC	Yes			
Digital NR	Yes			
Angle Adjustment	Pan: 0° ~ 355°, Tilt: 0° ~ 67°, Rotation: 0° ~ 355°			
Image				
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG			
H.265 Compression Standard	Main Profile@Leve4.1 High Tier			
Resolution	5MP (2880 × 1620), 4MP (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, 480 × 240, CIF			
Main Stream	60Hz: 5MP(1~20fps)/4MP/3MP/1080P/720P(1~30fps); 50Hz: 5MP(1~20fps)/4MP/3MP/1080P/720P(1~25fps)			
Sub Stream	60Hz: 720P/D1/CIF (1~30fps);50Hz: 720P/D1/CIF (1~25fps)			
Third Stream	60Hz: D1/480 × 240/CIF (1~30fps);50Hz: D1/480 × 240/CIF(1~25fps)			
Bit Rate	64 Kbps ~ 5 Mbps			
Bit Rate Type	VBR / CBR			
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser			
ROI	Each ROI to be configured separately			
Functions				
Remote Monitoring	Web browser /Paramont NVR/Paramont CMS AI/Paramont CMS Mobile APP			
Web Browser	IE (plug-in required)/Google Chrome/Edge/Firefox/Safari			
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission			
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP,802.1x, SNMP, UPnP, RTMP, HTTP, HTTPS, QoS			
Interface Protocol	ONVIF Profile T			
Storage	Network remote storage; micro SD card storage			
Smart Alarm	Motion detection, SD card full, SD card error			
Smart Event	Video Exception (scene change, video blur and video cast detection), line crossing detection, region intrusion detection, abandoned/missing object detection			
General Function	Watermark, IP address filtering, video mask, heartbeat, illegal login lock, corridor pattern			
PoE	Yes			
IR Distance	Up to 98 ft (20 ~ 30 m)			
Ingress Protection	IP 67 & IK10			
DORI Distance				
Lens	Detect (ft)	Observe (ft)	Recognize (ft)	Identify (ft)
2.8mm	195.8 (59.7m)	78.3 (23.9m)	39.1 (11.9m)	19.6 (6m)
Interfaces				
Network	RJ45			
Video Output	No			
Audio	1CH audio input; 1CH built-in MIC			
Storage	Built-in micro SD card slot, up to 256GB			
Reset	Yes			
Audio Sensitivity	-36db			
Others				
Power Supply	DC12V/PoE			
Power Consumption	< 6W			
Operating Environment	-22°F ~ 140°F (- 30 °C ~ 60 °C) Humidity: less than 95 % (non-condensing)			
Storage Environment	-22°F ~ 149°F (- 30 °C ~ 65°C), Humidity: less than 95 % (non-condensing)			
Dimensions	4.69" x 3.46" (Ø 119 x 87.8)			
Weight (net)	Approx. 1.41 lb (0.64KG)			
Installation	Ceiling mounting (wall mounting available with the junction box and bracket)			
Certificate	CE, FCC, ETL: 5025761			
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU), directive 94/62/EC and REACH(EC1907/2006)			

Ordering Information

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INVID-K164D512: 16 Channel NVR with 4 TB +(12) 5-Megapixel Cameras NDAA Compliant



16 Ch NVR with 16 Plug & Play Ports, 96 Mbps, 2 HD Bays

Features

- Up to 8 Megapixel Resolution Recording
- 96 Mbps Bit Rate Input
- Supports up to 16 channel simultaneous playback
- Smart Analytic Support
- Local HDMI main monitor output with 4K support
- Local VGA main monitor output up to 1080p
- True P2P Connectivity with QR Code Connect
- Multiple video search options including Smart Search for quick retrieval of footage.
- H.265S/ H.265+/ H.265/ H.264
- 2 Hard Drive Bays
- Free Central Management Software (CMS)
- Free iOS & Android Apps for Smart Phones & Tablets
- Free MAC Client

OS	Embedded Linux
Video	
Network Input	16 CH IPC input
Network Input Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Output	HDMI × 1: 3840 × 2160 / 1920 × 1080 / 1280 × 1024/ 1024 × 768 VGA: 1920 × 1080 / 1280 × 1024/ 1024 × 768
Compression	H.265S / H.265+ /H.265 /H.264
Audio	
Network Input	16 CH IPC audio input
2-way Audio	RCA × 1
Local Output	RCA × 1
Compression	G.711(U/A)
Record	
Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/ 960H/D1/CIF
Frame Rate	N:30fps; P:25fps
Playback	
Simultaneous Playback	Max. 16 CH
Search	Time slice / time / event / tag search/ smart search
Smart Search	Highlighted color to display the camera record in a certain period of time, different colors refers to different record events
Function	Play, pause, FF, FB, digital zoom, etc.
Decoding Capability	
Live View / Playback	1CH 8MP; 4CH 1080P
Alarm	
Mode	Manual, sensor, motion, exception, smart events
Input	Supports IPC alarm input
Output	Supports IPC alarm output
Triggering	Record, snap, preset, e-mail, etc.
Other Functions	
Plate Recognition	Yes
Fisheye	No
Video Structure Analysis	
Human/Vehicle Classification	Yes
Network	
Interface	RJ 45 1000Mbps × 1
Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x, RTSP, SNMP, ONVIF, etc.
Incoming/Outgoing Bandwidth	96Mbps/96Mbps
Client Connection	Max.10 users access
Mobile Device	
OS	iOS, Android
Storage	
HDD Interface	SATA3.0 × 2, max 14TB per HDD
Backup	
Local Backup	USB, USB to HDD (1TB Max)
Network Backup	Yes
Port	
USB	USB 2.0 × 2
Remote Controller	Included
PoE	
PoE Ports	RJ 45 100 Mbps × 16
Standards	IEEE802.3AF/AT
Output Power	≤ 150W
Others	
Power Supply	DC 48V/3.75A
Consumption	≤ 10W (without HDD)
Dimensions (W × D × H)	14.9 × 10.5 × 1.7 In (380 × 268 × 45 mm)
Working Environment	14°F ~122°F (-10 ~ 50)10% ~ 90% humidity
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, REACH and WEEE

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