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EXP128-16S-3U

PRMN Series 128 Channels NVR, Rack Mountable 3U





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Features

ExPll offers a wide range of video management solutions for IP based video surveillance that are extremely easy to install, use and maintain. The hardware is optimized for video surveillance by consolidating disparate components into a single chassis which is energy efficient and greatly improves the total cost of ownership. The application software has an open architecture that comply to Onvif and industry standard protocols, making it future proof and providing peace of mind for your investment. From small to very large installations, ExPll IP based video recorders are an ideal solution for today's high demanding video surveillance needs.

Designed as a plug-and-play NVR, installation and commissioning is effortless. The NVR is ONVIF compliant and supports IP cameras with resolution ranging from 1 to 12 Megapixels. On a single NVR depending on the model recording and playback video streams ranging from 64 and 128 channels are supported. It has support for installing up to 16 SATA HDDs internally and can provide a maximum storage capacity of 192TB when using a 12TB hard drive.

Surveillance Client, is a powerful and user friendly Central Management Software that comes free with the NVR. It allows users to connect to multiple NVRs and cameras at geographically dispersed locations. Users can create groups and assign cameras from different NVRs. They can also create user accounts to cater to different user privileges. The interactive map monitor allows users to have a complete visual overview of installation from a single client using imported maps for easy identification and navigation.

Product Features

- Supports 128 channels with up to 12M resolution
- Embedded Linux OS and VMS with no moving parts
- for increased system response time and reliability
- Plug-and-play device designed for easy and faster commissioning
- Install up to 16 SATA HDDs, provides a maximum storage capacity of 192TB when using 12TB Hard Drives
- 1x ESATA Port, 2x RJ45 Ethernet 1000 Base-T Ports
- Supports H.265, H.264 and MJPEG Compression
- Record Bandwidth of maximum 1024Mbps
- ONVIF Compliant and supports IP cameras with resolution ranging from 1 to 12 Megapixels
- Continuous, Motion Detection, and Alarm recording supported
- Supports Artificial Intelligence features such as face, vehicle and pedestrian detection when connected to compatible ExPll cameras
- Backup using USB Storage Device, HDD or over a Network
- View live video remotely using Central Monitoring Software on a PC or via an app on iPhone and Android devices.
- Supports ONVIF and RTSP video protocols
- Energy efficient, has a very low power consumption
- Easy to install, comes with standard rack mountable chassis.



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EXPILL TECHNOLOGIES

Specifications

SYSTEM		MECHANICAL	
Operating System	Linux and X-Windows with OpenGL	Form Factor	Rack Mountable Chassis
User Interface	User Friendly Graphical User Interface	Dimensions (mm)	440(W) x 460(D) x 189(H)
Camera Channels	128 Channels	Weight (kg)	TBD
Internal Storage	16x SATA HDD Hot Swappable Bays	ELECTRICAL	
RAID	0/1/4/5/6/10	Power Consumption (Excluding HDD)	TBD
USB Interface	1x 2.0 USB (Front), 2x 3.0 USB (Rear)	Power Supply	AC 110~240V ATX 250W
Alarm Ports	16x Digital Inputs, 4x Digital Outputs	ENVIRONMENTAL	
Ethernet Interface	2x GbE Ports	Operating Temperature (C)	10° to 40 (50° to 95°F)
PoE Ports	No Built in PoE	Storage Temperature (C)	-40 to 70 (-40° to 158°F)
RS232	1x RJ45	Operating Humidity	8% to 90%, non -condensing
RS485	Yes	Non-Operating Humidity	5% to 95%, non -condensing
Cameras Supported	Infinique, ONVIF Compliant Cameras	Operating Altitude (m)	-16m to 3048m (-50ft to 10,000ft)
CLIENT MODULES		Note: The server room temperature can be affected by air conditioning system, floor layout, rack configuration, etc. The NVR air intake temperature, can be significantly higher than the room temperature. To prevent system and hard drive failure, make sure the air intake temperature of the NVR is always within the operating temperature range.	
CMS	Windows / MAC	ACCESSORIES SUPPLIED	
Mobile App	Android / iOS	Power Cord	Based on country, 3 prong molded connector, 1.8 m (6 ft) Cord Length
Web Browser	IE v9 and above	USB Mouse	1nos
VIDEO AND AUDIO		Documentation	Manual on CD
Maximum Resolution	Up to 12MP	STANDARDS COMPLIANCE	
Video Outputs	4x HDMI Ports (4K), 1x HDMI Ports Full HD	Emissions	FCC Part 15 Subpart B Class A EN55032:2015+A11:2020+A1:2020 EN IEC 61000 -3-2:2019+A1:2021 EN 61000 -3-3:2013+A1:2019+A2:2021 IC ICES-003 Class B
Video Standards	NTSC 60 Hz, PAL 50 Hz	Immunity	EN55035:2017+A11:2020 EN50130 -4
Video Decoding	H.265, H.264 and MJPEG	Safety	UL 609501, EU: 2001/95/EC GPSD EN IEC 62368 -1:2020+A11:2020
Audio Ports	1 x Audio In, 1 x Audio Out		
DISPLAY AND RECORDING			
Resolution Supported	12MP, 8MP(4K), 5MP, 4MP, 3MP, 2MP(1080P), 1.3MP (960P), 1MP(720P)		
Record Bandwidth	1024Mbps		
Record Mode	Continuous, Motion Detection, and Alarm Trigger Recording		
Live / Playback	12MP @120fps, 8MP @240fps, 4MP @480fps, 2MP @960fps		
Display Split	1/4/6/8/9/10/13/14/16/17/19/22/25/32/36		
Advance Video Analytics*	Perimeter Intrusion, Line Crossing, Stationary Object, Pedestrian Detection, Face Detection, Heat Map, Sound Detection, People Counting * when recorded with Infinique cameras		

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
EXP128-16S-3U	ExpIil PRMN Series 128Ch NVR, 1024Mbps Record Bandwidth, Supports H.265, H.264 and MJPEG, 16x SATA HDD Bays, Max 192TB, 2x LAN Ports, 1x ESATA, RAID Support, Rack Mountable Chassis, Hard Drives not included