EXPLL
TECHNOLOGIES

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EXP256-16S-3U

PRMN Series 256 Channels NVR, Rack Mountable 3U

5 YEARS WARRANTY

EXP256-16S-3U

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Features

ExPll a wide range of video management solutions for IP based video surveillance that are extremely easy to install, use andmaintain. 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 128 ,64 and 256 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 256 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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:Specifications

SYSTEM	
Operating System	Linux and X-Windows with OpenGL
User Interface	User Friendly Graphical User Interface
Camera Channels	256 Channels
Internal Storage	16x SATA HDD Hot Swappable Bays
RAID	0/1/4/5/6/10
USB Interface	1x 2.0 USB (Front), 2x 3.0 USB (Rear)
Alarm Ports	16x Digital Inputs, 4x Digital Outputs
Ethernet Interface	2x GbE Ports
PoE Ports	No Built in PoE
RS232	1x RJ45
RS485	Yes
Cameras Supported	Infinique, ONVIF Compliant Cameras

CLIENT MODULES	
CMS	Windows / MAC
Mobile App	Android / iOS
Web Browser	IE v9 and above

VIDEO AND AUDIO	
Maximum Resolution	Up to 12MP
Video Outputs	4x HDMIPorts (4K), 1x HDMI Ports Full HD
Video Standards	NTSC 60 Hz, PAL 50 Hz
Video Decoding	H.265, H2.64 and MJPEG
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

MECHANICAL	
Form Factor	Rack Mountable Chassis
Dimensions (mm)	440(W) x 460(D) x 189(H)
Weight (kg)	TBD

ELECTRICAL	
Power Consumption (Excluding HDD)	TBD
Power Supply	AC 110~240V ATX 250W

ENVIRONMENTAL	
Operating Temperature (C)	10° to 40 (50° to 95°F)
Storage Temperature (C)	-40 to 70 (-40° to 158°F)
Operating Humidity	8% to 90%, non -condensing
Non-Operating Humidity	5% to 95%, non -condensing
Operating Altitude (m)	-16m to 3048m (-50ft to 10,000ft)

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.

ACCESSORIES SUPPLIED	
Power Cord	Based on country; 3 prong molded connector, 1.8 m (6 ft) Cord Length
USB Mouse	1nos
Documentation	Manual on CD

STANDARDS COMPLIANCE	
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
Immunity	EN55035:2017+A11:2020 EN50130 -4
Safety	UL 609501, EU: 2001/95/EC GPSD EN IEC 62368 -1:2020+A11:2020

ORDERING INFORMATION	
PART NUMBER	DESCRIPTION
EXP256-16S-3U	ExPll PRMN Series 256Ch 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