



## STORM-3s-1664

The STORM-3s-1664 is a H.265 64 Channel Enterprise Hot Swap RAID Network Video Recorder (NVR). It incorporates Intel Embedded Quad Core Processors providing 12 MegaPixel (Including 4K) resolution support, global recording capacity of 384Mbps, Smart Features and Fisheye Dewarp Support.

The STORM-3s-1664 is housed in a 3U case with 16 Hot Swap SATA III Ports with further storage expansion possible via eSATA and MiniSAS. 4 x 1GB Network Ports and 2 x Giga Optical Fibre Interfaces provide ample network connectivity. It can facilitate 16 Alarm Inputs, 8 Alarm (Relay) Outputs, 2 x HDMI and 1x VGA Video Outputs. It supports backup methods via USB 2.0, 3.0, eSATA, & Network.

The STORM-3s-1664 also supports Hot Swap HDD's, RAID 0/1/5/6/10 and N+M Hot Standby which makes it ideal for mission critical installations of up to 64 IP Cameras.

The STORM-3s-1664 has H.265 Compression (High Efficiency Video Coding) as standard, H.265 was developed to improve HDD storage requirements and reduce bandwidth consumption for new higher resolutions such as 4K and 12MP. For example, at an identical level of visual quality the H.265 codec enables video to be compressed to a file about half the size (or half the bit rate) of H.264.

The STORM-3s-1664 is provided license free, ONVIF Compatible and supports various 3rd party IP Camera Vendors.



64IP Channels



Intel Quad Core



H.265 Compression



12MP / 4K Recording



384Mbps Recording Bandwidth



Fisheye Support



ANPR



POS



Intelligent Features



4 x 1GB Network Ports



16 Internal Hard Drives



HOT Swap HDD



RAID HDD Management



N+M Failover

# STORM-3s-1664



## ● PERFORMANCE

IPC Resolution (Max)	12MP
IPC Recording Bandwidth	384Mbps
Bit Rate Support	16Kbps ~ 20Mbps Per Channel
Processor	Intel Quad Core Embedded
Video Compression	H.265E, H.265, H.264E, H.264, MJPEG

## ● SOFTWARE

OS	Embedded Linux (ICR OS)
Video Detection	Motion Detection, Video Loss & Camera Masking
Smart Features	Supports Smart IPC's, Face Detection from IPC's, Smart Tracking, 2CH IVS & 1CH VQD on NVR, POS (Till Scan), ANPR
Fisheye Dewarp Support	Yes - Live, Playback & Web
Trigger Activations	PTZ, Tour, Alarm Out, Push, Email, FTP, Snapshot, Buzzer, Recording, PTZ, OSD
Simultaneous Playback	16 channel 128Mbps in RAID 5 Mode 64Mbps in Single HDD Mode
Smart Search	Yes
Max User Access	128
Network Functions	Alarm Server, DDNS, DHCP, DNS, Email, FTP, HTTP, IP Filter, IPv4, IPv6, PPPoE, RTSP, SMTP, TCP/IP, UDP, UPnP
IPC Support	IC Realtime, Onvif, Axis, Bosch, Dahua, Hikvision, Panasonic, Pelco, Samsung, Sony, UNV and many more...
Smart Phone / Tablet App's	Yes
PC / Mac Software	SmartICRSS & Web Browser
Push Notifications	Yes
DDNS	Yes
P2P	Yes
Extra Stream	Yes
ONVIF	Yes
ARC Integration	Yes

## ● CONNECTIVITY

Total Video Channels	64
IP Channels	64
BNC Channels (HDCVI)	-
Audio Input (RCA)	1
Audio Output (RCA)	1
Audio (IP)	Yes
Two way Audio Supported	Yes
Alarm Inputs	16
Alarm Relay Outputs	8 (NO/NC)
HDMI - Master	1 (Up to 36 Split)
HDMI - Slave	1 (Up to 16 Split)
VGA	1
Output Resolution Support	3840 x 2160 1920 x 1080 1280 x 1024
PoE IPC Ports	-
10/100M RJ45 Port	-
10/100/1000M RJ45 Port	4
Optical Fiber Interface	2
RS-485	1
RS-232	1
USB 2.0 Ports	2
USB 3.0 Ports	2

## ● STORAGE

SATA III Ports	16 HDD
HDD Hot Swap Support	Yes
RAID	Supports 0/1/5/6/10
Mini SAS Port(s)	1 (for Storage expansion)
iSCSI Support	Yes
eSATA Port	1
Backup Methods	USB, eSATA & Network

## ● ENVIRONMENTAL

Case Size	3U
Dimensions (mm)	485 (W) x 513 (D) x 134 (H)
Redundant PSU	-
Hot Swap PSU	-
Power Supply	110~240V AC, 50/60Hz
Power Consumption	<51W (without HDD)
Working Environment	-10°C~+55°C/86~106kpa
Storage Conditions	-20°C~+70°C/0~90% RH
Weight (Without HDD)	17.6KG (Net) 27KG (Gross)
Certification	CE, FCC, UL