FUSION-5x3-832-i

The FUSION-5x3-832-i is a powerful 32 channel Penta-Tech recorder that combines 5 video technology formats. The BNC inputs support all the major formats such as HDCVI, HDTVI, AHD and CVBS (Analogue). Cameras connected via the BNCs can record at up to 5M-N (1080P) resolution in all formats. The recorder has the ability to convert the BNC channels to IP allowing up to 32 IP cameras to be connected to the system.

With the powerful embedded AI deep learning processor supporting new video surveillance analytic functions such as SMD (Smart Motion Detection) and Face Recognition, both of which are designed to prevent routine false motion alerts and accurately detect individuals. Advanced IVS perimeter detection including Tripwire and Intrusion box areas can now be combined with SMD target classification for human and vehicles providing a true all round advanced monitoring recorder, suited for protecting both commercial and domestic premises.

The development of SMD enables operators to respond and reduce the time searching for such an event through the use of the powerful AI SMD search, which lists all motion events containing vehicles and humans in just a few clicks. The FUSION-5x3-832-i also has the ability to perform real time face recognition on two channel swhich can be referenced against 10 different face databases and can store up to to 10,000 face images processing as much as 12 images per second.
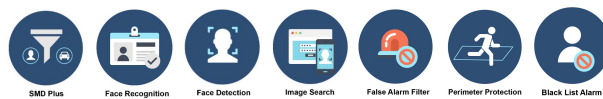
The FUSION-5x3-832-i is housed in a 2U desktop case with 8 internal SATA ports. It comes with 4K (3840x2160) HDMI & VGA video outputs and supports backup methods via USB & network. This recorder is provided license free, Onvif compatible and supports various 3rd party IP camera vendors.

| SMD Plus | Face Recognition | Face Detection | Image Search | False Alarm Filter | Perimeter Protection | Black List Alarm |

PERFORMANCE

BNC Resolution (Max)	5M-N (1080P)
BNCFrame Rate	5M-N - 1~10fps - 4M-N(1080P) - 1~15fps - 1080N/720P/D1- 1~25fps
IPC Resolution (Max)	8MP
IPC Recording Bandwidth	128Mbps
Processor	Embedded
Video Compression	AI Coding/H.265+/H.265/H.264
Audio Compression	G.711A, G.711U, PCM

SOFTWARE

OS	Embedded Linux (ICR OS)
Video Detection	Motion Detection, Video Loss, Camera Masking and Diagnosis
Smart Search	Yes
Intelligence	SMD, Face Rec, Face Detect, POS, Perimeter Protection, Object class
Simultaneous Playback	1/4
Max User Access	128
Network Functions	Alarm Server, DDNS, DHCP, DNS, Email, FTP, HTTPS, IP Filter, IPv4, IPv6, PPPoE, RTSP, SMTP, TCP/IP, UDP, UPnP, 802.1X, NTP
IPC Support	IC Realtime, Onvif, Axis, Bosch, Dahua, Hikvision, Panasonic, Pelco, Samsung, Sony, Uniview
Smart Phone/ Tablet	Easyviewer Plus, ICRSS, IC View
PC/ Mac Software	SmartICRSS & Web Browser Client
Push Notifications	Yes
DDNS	Yes
P2P	Yes
Extra Stream	Yes
ARC Integration	Yes

CONNECTIVITY

Total Video Channels	32
32x BNC Cameras = 32 Channels, 16x BNC cameras + 16x IP cameras = 32 Channels, 32x IP Channels = 32 Channels	
IP Channel Possibility	32
BNC Channel (Max)	32
Audio Input (RCA)	1
Audio Output (RCA)	1
Two way Audio Supported	Yes
Alarm Inputs	16
Alarm Outputs	6
HDMI	2
VGA	1
BNC	1
PoE IPC Ports	–
10/100M RJ45 Port	–
10/100/1000M RJ45 Port	2
RS-485	1
RS-232	-
USB Ports	4 (Total) 2 USB 2.0, 2 USB 3.0

STORAGE

SATA Ports	8 (Max 80TB)
RAID	–
eSATA Port	1
Backup Methods	USB, Network, DVD-RW, Mobile app

ENVIRONMENTAL

Case Type	2U Desktop
Dimensions (mm)	440 (W) x 463(D) x 95(H)
Weight	6.9KG (without HDD) / 9.5KG (Gross)
Power Supply	AC100V-240V, 50/60Hz
Power Consumption	<22W (without HDD)
Working Environment	-10°C ~ + 55°C / 86 ~ 106kpa
Storage Conditions	-20°C ~ + 70°C / 0 ~ 90% RH
Certification	CE, FCC, UL