

FUSION-5x3-408-i

The FUSION-5x3-408-i is an ultra-dynamic 8 channel Penta-Tech hybrid recorder that combines 5 video technology formats. The BNC inputs support all the major BNC formats such as HDCVI, HDTVI, AHD and CVBS (Analogue). Cameras connected via the BNCs can record at up to 5MP resolution in all formats. The recorder has the ability to extend the number of available IP channels, allowing for an additional IP channels to be added on top of the 8 BNC channels.

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-5x3-408-i also has the ability to perform real time face recognition on two channels which can be referenced against 10 different face databases and can store up to 10,000 face images processing as much as 8 images per second.

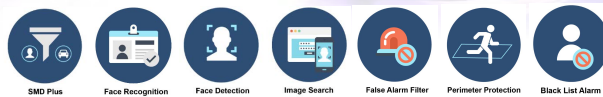
The FUSION-5x3-408-i is housed in a 1.5U desktop case with 4 internal SATA ports. It comes with FHD (1920x1080) HDMI & VGA video outputs and supports backup methods via USB & network. This recorder is provided license free, Onvif compatible and supports various 3rd party IP camera vendors.

● PERFORMANCE

BNC Resolution (Max)	5M-N (1080MP)
BNC Frame Rate	1~10fps - 5M-N, 1~15fps - 4M-N, 1080P, 1~25fps - 1080N/720P/960H
IPC Resolution (Max)	6MP
IPC Recording Bandwidth	64Mbps
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, P2P
IPC Support	IC Realtime, Onvif, Axis, Bosch, Dahua, Hikvision, Panasonic, Pelco, Samsung, Sony, Uniview
Smart Phone/ Tablet	Easyviewer Plus, DMSS, 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	16 (32 with IP extension)
16x BNC Cameras = 16 Channels, 16x BNC cameras + 16x IP cameras = 32 Channels, 32x IP Channels = 32 Channels	
IP Channel Possibility	32
BNC Channel (Max)	16
Audio Input (RCA)	1
Audio Output (RCA)	1
Two way Audio Supported	Yes
Alarm Inputs	8
Alarm Outputs	6
HDMI	1
VGA	1
BNC Out	1
PoE IPC Ports	-
10/100M RJ45 Port	-
10/100/1000M RJ45 Port	1
RS-485	1
RS-232	1
USB Ports	3 (Total) USB 2.0

● STORAGE

SATA Ports	4 (Max 48TB)
RAID	-
eSATA Port	1
Backup Methods	USB, Network, SmartICRSS, Mobile app

● ENVIRONMENTAL

Case Type	1.5U Rack Mount
Dimensions (mm)	440 (W) x 421(D) x 76(H)
Weight	4.5KG (without HDD) / 6.7KG (Gross)
Power Supply	100V-240AC 50/60Hz
Power Consumption	<10W (without HDD)
Working Environment	-10°C ~ + 55°C / 86 ~ 106kpa
Storage Conditions	-20°C ~ + 70°C / 0 ~ 90% RH
Certification	CE, FCC, UL