

FUSION-5x4-108-4Ki

IC Realtime 4CH 4K Penta-tech BNC DVR with AI Intelligence

The FUSION-5x4-108-4Ki is a powerful 8 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 4K resolution in all formats. The recorder has the ability to extend the number of available IP channels, allowing for an additional 8 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-5x4-108-4Ki also has the ability to perform real time face recognition on one channel which can be referenced against 10 different face databases and can store up to to 20,000 face images processing as much as 12 images per second.

The FUSION-5x4-108-4Ki is housed in a 1U desktop case with 1 internal SATA port. 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.

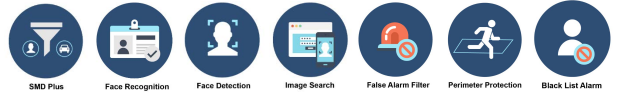
● PERFORMANCE

BNC Resolution (Max)	4K-N (5MP)
BNC Frame Rate	1~7fps - 4K, 1~12fps - 5MP, 1~15fps - 4MP, 1~25fps - 4MP-N/1080P
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 * See below	SMD, Face Rec, Face Detect, POS, Perimeter Protection, AI Schedule
Simultaneous Playback	1/4/9
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, 802.1X, NTP
IPC Support * See below	IC Realtime, Onvif, Axis, Bosch, Dahua, Hikvision, Panasonic, Pelco, Samsung, Sony, Uniview
Smart Phone/ Tablet	Easyviewer Plus, DMSS
PC/ Mac Software	SmartPSS & Web Browser Client
Push Notifications	Yes
DDNS	Yes
P2P	Yes
Extra Stream	Yes
ARC Integration	Yes

*Intelligence Note - For added AI IPC's - This XVR does not support intelligent events from IP Cameras. It is advised to use AI NVR's for IPC camera events.



● CONNECTIVITY

Total Video Channels	8 (16 with IP extension)
8x BNC Cameras = 8 Channels, 8x BNC cameras + 8x IP cameras = 16 Channels, 16x IP Channels = 16 Channels	
IP Channel Possibility	8
BNC Channel (Max)	8
Audio Input (RCA)	1
Audio Output (RCA)	1
Two way Audio Supported	Yes
Alarm Inputs	- Requires ARB1606
Alarm Outputs	- Requires ARB1606
HDMI	1
VGA	1
BNC	-
PoE IPC Ports	-
10/100M RJ45 Port	-
10/100/1000M RJ45 Port	1
RS-485	1
RS-232	-
USB Ports	2 (Total) 1 USB 2.0, 1 USB 3.0

● STORAGE

SATA Ports	1 (Max 12TB)
RAID	-
eSATA Port	-
Backup Methods	USB, Network, SmartICRSS, Mobile app

● ENVIRONMENTAL

Case Type	1U Desktop
Dimensions (mm)	260 (W) x 279.9(D) x 47.6(H)
Weight	1.0KG (without HDD) / 1.4KG (Gross)
Power Supply	12vDC 2A
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