IC REALTIME® | Fusion
Versatile Technology

FUSION-5x2-104

The FUSION-5x2-104 is a 4 (BNC) 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) at up to 4K Resolution. Up to two 4K IP Cameras can also be added to the system to make a total of 6 channels. Intelligent functions include Tripwire, Intrusion, Missing/Abandoned Object, Face Detection & Smart Search.

The FUSION-5x2-104 incorporates an intelligent fan design which monitors CPU temperature and turns the fan on and off accordingly. SMD, referred to as Smart Motion Detection, is a new surface learning algorithm based on motion detection. It can reduce false alarms with intelligent analysis, saving time and labour costs of checking useless alarms. Furthermore, human and vehicle classification makes it possible to quickly locate the alarm triggering scenarios.

FUSION-5x2-104 has Smart H.265+ Compression which offers HDD and bandwidth savings of up to 90%! It comes in a 1U desktop case with 1 internal SATA port. It supports up to 4 channel playback with backup methods including USB and network download.

For remote monitoring the FUSION-5x2-104 supports our alarm extension box (ARB1606, sold separately) which is a plug and play device that connects to the RS-485 port, please ask a member of our team for more information.

● PERFORMANCE

BNC Resolution (Max)	4K HDCVI (5MP Other)
BNC Frame Rate	1~10fps - 4K, 1~10fps - 6MP 1~15fps - 4MP,1~25fps - 1080P
IPC Resolution (Max)	8MP
IPC Recording Bandwidth	24Mbps
Processor	Embedded (HiSilicon)
Video Compression	H.265+, H.265, H.264+, H.264
Audio Compression	G.711/PCM

● SOFTWARE

OS	Embedded Linux (ICR OS)
Video Detection	Motion Detection, Video Loss & Camera Masking, Tampering
Smart Search	Yes
Intelligence	IVS, SMD and Face Detect
Simultaneous Playback	1/4
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	ICRSS Pro & ICView
PC/ Mac Software	SmartICRSS & Web Browser
Push Notifications	Yes
DDNS	Yes
P2P	Yes
Extra Stream	Yes
ARC Integration	Yes with ARB1606

● CONNECTIVITY

Total Video Channels	6
(4 x BNC Cameras + 2 IP Camera = 6 Channels or 0 x BNC Cameras + 6 IP Camera = 6 Channels)	
IP Channel Possibility	6
BNC Channel (Max)	4
Audio Input (RCA)	1 - Down the Coax Audio Supported on Applicable HDCVI Cameras
Audio Output (RCA)	1
Two way Audio Supported	Yes
Alarm Inputs	- Possible with ARB1606 Extension Box
Alarm Outputs	- Possible with ARB1606 Extension Box
HDMI	1
VGA	1
BNC	-
PoE IPC Ports	-
10/100M RJ45 Port	1
10/100/1000M RJ45 Port	-
RS-485	1 - For Analogue PTZ & ARB1606
RS-232	-
USB Ports	2 (USB 2.0)

● STORAGE

SATA Ports	1 (Max 10TB per Disk)
RAID	-
eSATA Port	-
Backup Methods	USB, Network, Smart ICRSS

● ENVIRONMENTAL

Case Type	Mini 1U Desktop
Dimensions (mm)	325 (W) x 255 (D) x 55 (H)
Weight (without HDD)	1.2KG (Net) / 1.8KG (Gross)
Power Supply	12vDC / 2A
Power Consumption	<10W (without HDD)
Working Environment	-10°C ~ + 55°C / 0 ~ 90% RH
Storage Conditions	-20°C ~ + 70°C / 0 ~ 90% RH
Certification	CE, FCC, UL

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