IC REALTIME™

BREEZE-7s-104
EFFORTLESS TECHNOLOGY

Introducing the IC Realtime BREEZE-7s-104, a cutting-edge 4-channel plug & play Network Video Recorder (NVR) that takes video surveillance to the next level. Building on the strengths of its predecessor, the BREEZE-6s3-104, this new model integrates a powerful AI-driven processor with advanced video analytics, making it ideal for both commercial and residential security applications.

The BREEZE-7s-104 continues to support Smart Motion Detection Plus (SMD Plus) and Face Recognition, ensuring precise detection of individuals while minimizing false alerts. This model significantly enhances face recognition capabilities, supporting up to 10 face databases with a storage capacity of 20,000 face images. The NVR can efficiently process these images, making it easier to identify and respond to security threats.

In addition to these robust AI features, the BREEZE-7s-104 introduces new capabilities such as ANPR*, people counting*, stereo analysis*, and heat map generation*, providing comprehensive insights into crowd behavior and movement. These features are essential for businesses and public spaces that require detailed analysis of people / vehicle traffic and occupancy trends. (*Features are IPC Dependant)

The NVR's decoding performance has also been upgraded, supporting up to 4 channels at 8MP@30fps with adaptive decoding. This ensures smooth playback and efficient storage management, particularly in high-definition environments. The inclusion of advanced perimeter protection, with the ability to filter out false alarms from non-relevant targets, ensures that security personnel can focus on genuine threats.

As with previous models, the BREEZE-7s-104 is designed for seamless integration and ease of use. The integrated 4-port PoE switch simplifies setup by powering IP cameras and configuring them automatically, reducing installation time. Housed in a compact 1U desktop case with a single internal SATA port, the BREEZE-7s-104 offers 4K (3840x2160) HDMI and VGA video outputs, ensuring high-quality video playback. Backup options via USB and network connections provide flexible data management solutions. The recorder is license-free, Onvif compatible, and supports various third-party IP camera vendors, making it a comprehensive solution for modern surveillance challenges.

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

PERFORMANCE

IPC Resolution (Max)	4K/8MP
IPC Recording Bandwidth	80Mbps
Bit Rate Support	1-20Mbps Per Channel
Processor	Dual Core Embedded
Video Compression	H.264/H.265/Smart 264/265+/MJPEG

SOFTWARE

OS	Embedded Linux (ICR OS)
Video Detection	Motion Detection, PIR Alarm, Video Loss & Camera Masking, IPC Alarm
AI Smart Search	Human, Vehicle, Non Motor, Face Search
Fisheye Dewarp Support	Web Browser Support
Simultaneous Playback	4CH @ 8MP 30FPS
Max User Access	128 - (80Mbps)
Network Functions	TCP/IP, IPV4, IPV6, RTP, UDP, NTP, DHCP, DNS, HTTP/S, DDNS, SMTP, RTSP
Integrations	ONVIF 22.06 Profiles T, S, G / CGI / SDK
IPC Support	IC Realtime, Onvif, Axis, Bosch, Dahua, Hikvision, Panasonic, Pelco, Samsung, Sony, UNV and many more...
Smart Phone/ Tablet	DMSS / DMSS Plus
PC/ Mac Software	SmartPSS & Web Browser
Push Notifications	Yes
DDNS	Yes
Extra Stream	Yes
P2P	Yes
ANR	Yes
ARC Integration	Yes

CONNECTIVITY

Total Video Channels	4
IP Channels	4 (4 x PoE)
HDCVI Channels	–
Audio Input (RCA)	1
Audio Output (RCA)	1
Audio (IP)	Yes - PCM/G711A/G711U/G726/AAC
Two way Audio Supported	Yes
Alarm Inputs	–
Alarm Outputs	–
HDMI - 4K (3840 x 2160)	1
VGA	1
BNC	–
PoE UPnP IPC Ports	4 - IEEE802.3af/at (36W Total Output)
10/100M RJ45 Port	1
10/100/1000M RJ45 Port	–
RS-485	–
RS-232	–
USB 2.0 Port(s)	2
USB 3.0 Port(s)	–

STORAGE

SATA Ports	1
RAID	–
eSATA Port	–
Backup Methods	USB & Network

ENVIRONMENTAL

Case Size	1U Desktop
Dimensions (mm)	260mm (W) x 232.7 mm (D) x 47.6mm (H)
Power Supply	53vDC / 1.226A
Power Consumption	NVR: <10W (without HDD) PoE: Max 36W (total) Maximum 25.5W on single PoE port
Working Environment	-10°C~+55°C / 0%~90%RH / 86-106kpa
Weight	0.86KG (Net) 1.88KG Gross
Certification	CE, FCC, UL

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