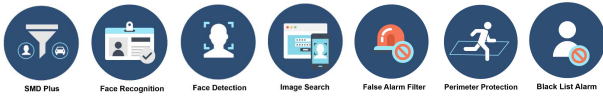# IC REALTIME™

BREEZE-6s2-216
EFFORTLESS TECHNOLOGY

The BREEZE-6s2-216 is a 4K, H.265, 16 channel plug & play Network Video Recorder (NVR) that incorporates an 16 port PoE switch. It has a 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 Instrusion box areas can now be combined with SMD target classification for human and vehicles providing a true all round advanced monitoring NVR, 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 BREEZE-6s2-216 also has the ability to perform face recognition on one channel which can be referenced against 10 different face databases and can store up to to 5000 face images processing as much as 8 images per second.

The BREEZE-6s2-216 has newly implemented AI Decoding, producing a higher efficiency than H.264 & H.265 by giving bit rate allocation priority to human and vehicles and thus improving HDD storage requirements and reducing bandwidth consumption by up to 90%, ideal for higher bandwidth resolutions such as 4K.

BREEZE technology removes the complex IP setup by automatically initializing and configuring IP cameras in less than 2 minutes upon boot up. This is achieved by the NVR's integrated PoE switch which also powers the IP cameras over the same cable.

The BREEZE-6s2-216 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.

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	200Mbps
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	-
Simultaneous Playback	1CH @ 8MP 30FPS / 4CH @1080P 30FPS
Max User Access	128 - (80Mbps)
Network Functions	TCP/IP, IPV4, IPV6, RTP, UDP, NTP, DHCP, DNS
Integrations	ONVIF 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	Easyviewer Pro/Plus
PC/ Mac Software	SmartICRSS & Web Browser
Push Notifications	Yes
DDNS	Yes
Extra Stream	Yes
P2P	Yes
ANR	Yes
ARC Integration	-

● CONNECTIVITY

Total Video Channels	16
IP Channels	16 (16 x PoE)
HDCVI Channels	–
Audio Input (RCA) Audio	1
Output (RCA)	1
Audio (IP)	Yes
Two way Audio Supported	Yes
Alarm Inputs	4
Alarm Outputs	2
HDMI - 4K (3840 x 2160)	1
VGA	1
BNC	–
PoE UPnP IPC Ports	16 - IEEE802.3af/at (130W 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)	375mm (W) x 329.3 mm (D) x 53mm (H)
Power Supply	100-240V, 47-63HZ, 3.5A
Power Consumption	NVR: <10W (without HDD) PoE: Max 130W (total) Maximum 25.5W on single PoE port
Working Environment	-10°C~+55°C / 0%-90%RH / 86-106kpa
Weight	2.63KG (Net without HDD) 3.91KG Gross
Certification	CE, FCC, UL

IC REALTIME