

# SF-NVR8216A-B2

Safire Smart

NVR recorder for IP cameras B2

range

16CH video / Compression H.265S /

2HDD

Resolution up to 12Mpx / Bandwidth

160Mbps

HDMI 4K and VGA / Dewarping

Fisheye

Facial recognition, Video metadata



Safire Smart

B2

NVR for IP cameras

16 CH

160 Mbps bandwidth supported

Maximum resolution 12 Megapixel

Compression H.265S/H.265+/H.265/H.264+

1 HDMI output 4K and 1 VGA output

POS Function

Intelligent searches of humans, vehicles and two-wheelers

Facial recognition

Face tracking on map

Dewarping for Fisheye cameras

Arming / Disarming from the mobile APP

IP Dual Stream Access

RCA Audio

Alarms

Space for 2 HDD

WEB, CMS and Smartphone interface

ONVIF Compatible

NDAA Certificate

# Specifications

Brand	Safire Smart
Range	B2
Inputs for IP cameras	16CH IP
IP compatible cameras	Safire Smart (native protocol), ONVIF
Bidirectional audio	1 input / 1 RCA output
Main Stream recording	12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
Decoding capacity	1CH 12Mpx @ 20FPS 4CH 1080P @ 30FPS
Video compression format	H.265+ / H.265 / H.264+ / H.264
Audio Compression	G.711(U/A)
Total bandwidth	160 Mbps downstream / 160 Mbps upstream
Video outputs	1 HDMI 4K / 1 VGA
Display resolution	HDMI: 3840x2160, 1920x1080, 1280x1024, 1024x768 VGA: 1920x1080, 1280x1024, 1024x768 *HDMI and VGA can be configured to output the same or a different video source
Yesmultaneous multifunction	Pentaplex: Live, Recording, Playback, Backup and Remote Access
Multi-Screen	Main output: 1 / 4 / 6 / 8 / 9 / 13 / 16 (Live view) Secondary output: 1 / 4 / 6 / 8 / 9 (Live view) AI mode (Default): Max. 16CH (simultaneous HDMI and VGA) AI on recorder available Independent video output: Max. 25CH (HDMI and VGA independent) AI by recorder not available
Recording method	Manual, programmed, motion detection, smart events, alarm input, POS
POS Function	Si
Perimeter Protection	Need to use Safire Smart 411 or 812 cameras Artificial Intelligence based on the classification of humans, vehicles and two-wheeled vehicles on: - Area intrusion - Line crossover - Region entry - Exit region
Facial recognition	Detailed searches for intelligent events Face detection with Safire Smart cameras 411 or 812 up to 16CH (All channels) Face detection by the NVR itself with any camera up to 2CH  Facial recognition up to 6CH max Computation of up to 18 images / second 32 Libraries and up to 10000 face images  Image searches via recorder, APP and PC software Face tracking on map or plan Statistical information on face results by day, week, month or customized period Need to use Safire Smart 411 or 812 cameras Human and vehicle feature extraction For humans: Can extract up to 13 features (glasses, color of clothes, etc.) For vehicles: can extract up to 5characterísticas (color, type, etc.)
Video metadata	
License plate recognition	Yes (Safire Smart license plate camera required)
Dewarping	Supports Fisheye camera dewarping
Alarms	8 Inputs / 4 Outputs
External Backup	USB memory / HDD USB / CD-RW USB / DVR-RW USB
Internal memory	2x 3.5" HDD SATA3.0 up to 10 TB (not included)
Communication	1 x USB 3.0 / 2 x USB 2.0 / 2 x RJ45 10/100/1000M (Ethernet) / RS485
Remote access	Web Browser, Safire Smartphone App and PC Software Safire Smart VMS
Power	DC 12V / 2A, ? 20W (Without hard disk)
Operating temperature	-10°C ~50°C, Humidity 10~90%
Dimensions / Weight	48.1 (H) x 300 (W) x 248.5 (D) mm / 1.18 Kg