

# SF-NVR8108A-B2

Safire Smart

NVR recorder for IP cameras B2

range

8CH video / Compression H.265S /

1HDD

Resolution up to 12Mpx / Bandwidth

80Mbps

HDMI 4K and VGA / Dewarping

Fisheye

Facial recognition, Video metadata



Safire Smart

B2

NVR for IP cameras

8 CH

80 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 1 HDD

WEB, CMS and Smartphone interface

ONVIF Compatible

NDAA Certificate

# Specifications

|                                    |  |
|------------------------------------|--|
| <b>Brand</b>                       | Safire Smart   |
| <b>Range</b>                       | B2   |
| <b>Inputs for IP cameras</b>       | 8CH IP   |
| <b>IP compatible cameras</b>       | Safire Smart (native protocol), ONVIF  |
| <b>Bidirectional audio</b>         | 1 input / 1 RCA output   |
| <b>Main Stream recording</b>       | 12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF   |
| <b>Decoding capacity</b>           | 1CH 12Mpx @ 20FPS<br>4CH 1080P @ 30FPS   |
| <b>Video compression format</b>    | H.265+ / H.265 / H.264+ / H.264  |
| <b>Audio Compression</b>           | G.711(U/A)   |
| <b>Total bandwidth</b>             | 80 Mbps downstream / 80 Mbps upstream  |
| <b>Video outputs</b>               | 1 HDMI 4K / 1 VGA  |
| <b>Display resolution</b>          | HDMI: 3840x2160, 1920x1080, 1280x1024, 1024x768<br>VGA: 1920x1080, 1280x1024, 1024x768<br>*HDMI and VGA can be configured to output the same or a different video source   |
| <b>Yesmultaneous multifunction</b> | Pentaplex: Live, Recording, Playback, Backup and Remote Access   |
| <b>Multi-Screen</b>                | Main output: 1 / 4 / 6 / 8 / 9 (Live view)<br>Secondary output: 1 / 4 / 6 / 8 / 9 (Live view)<br>AI mode (Default): Max. 8CH (simultaneous HDMI and VGA) AI on recorder available<br>Independent video output: Max. 16CH (HDMI and VGA independent) AI by recorder not available   |
| <b>Recording method</b>            | Manual, programmed, motion detection, smart events, alarm input, POS   |
| <b>POS Function</b>                | Si   |
| <b>Perimeter Protection</b>        | Need to use Safire Smart 411 or 812 cameras<br>Artificial Intelligence based on the classification of humans, vehicles and two-wheeled vehicles on:<br>- Area intrusion<br>- Line crossover<br>- Region entry<br>- Exit region   |
| <b>Facial recognition</b>          | Detailed searches for intelligent events<br>Face detection with Safire Smart cameras 411 or 812 up to 8CH (All channels)<br>Face detection by the NVR itself with any camera up to 2CH<br><br>Facial recognition up to 6CH max<br>Computation of up to 18 images / second<br>32 Libraries and up to 10000 face images<br><br>Image searches via recorder, APP and PC software<br>Face tracking on map or plan<br>Statistical information on face results by day, week, month or customized period<br>Need to use Safire Smart 411 or 812 cameras<br>Human and vehicle feature extraction<br>For humans: Can extract up to 13 features (glasses, color of clothes, etc.)<br>For vehicles: can extract up to 5characterísticas (color, type, etc.) |
| <b>Video metadata</b>              |  |
| <b>License plate recognition</b>   | Yes (Safire Smart license plate camera required)   |
| <b>Dewarping</b>                   | Supports Fisheye camera dewarping  |
| <b>Alarms</b>                      | 8 Inputs / 4 Outputs   |
| <b>External Backup</b>             | USB memory / HDD USB / CD-RW USB / DVR-RW USB  |
| <b>Internal memory</b>             | 1x 3.5" HDD SATA3.0 up to 10 TB (not included)   |
| <b>Communication</b>               | 1 x USB 3.0 / 2 x USB 2.0 / 2 x RJ45 10/100/1000M (Ethernet) / RS485   |
| <b>Remote access</b>               | Web Browser, Safire Smartphone App and PC Software Safire Smart VMS  |
| <b>Power</b>                       | DC 12V / 2A, ? 20W (Without hard disk)   |
| <b>Operating temperature</b>       | -10°C ~50°C, Humidity 10~90%   |
| <b>Dimensions / Weight</b>         | 48.1 (H) x 300 (W) x 248.5 (D) mm / 1.18 Kg  |