

VISUALISE YOUR SECURITY NEEDS

# Silhouette Surveillance Systems



## All Hybrid DVR HD-SDI, EXSDI, TVI, AHD, CVI Analogue 960H AND IP Camera All in one Digital Video Recorder



### Basic Feature List

- Analog/960H/HD-SDI/EX-SDI/TVI/AHD/CVI/IP Camera/another DVR
- 4K(8MP) EXSDI near Real Time / 4MP Real Time
- Spot, HD Spot
- POS Interface
- All channel simultaneous playback



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### Specification

| Model            |                                 | x4-Primero Series                                                                                                                |                                                                     |                 |                        |
|------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------|------------------------|
|                  |                                 | x4-Primero 04                                                                                                                    | x4-Primero 08                                                       |                 | x4-Primero 16R         |
| Video            | Camera input                    | 4 BNC                                                                                                                            | 8 BNC                                                               |                 | 16 BNC                 |
|                  | Individual HD/Analog selectable | Analog, HD-SDI, EX-SDI, AHD, TVI, CVI, IP                                                                                        |                                                                     |                 |                        |
|                  | Available source                | HD-SDI/EX-SDI – up to 8M<br>TVI/AHD/CVI/Analog – up to 8M 15fps                                                                  |                                                                     |                 |                        |
|                  | IP Camera                       | Spec                                                                                                                             | ONVIF 2.3, RTSP, H.264, H.265 dual stream<br>use gigabit ethnet hub |                 |                        |
|                  |                                 | Num                                                                                                                              | 4                                                                   | 8               | 12                     |
|                  |                                 | Resolution                                                                                                                       | upto 8M                                                             |                 |                        |
|                  |                                 | Restriction                                                                                                                      | Cannot setup Private ZONE<br>Cannot support Timestamp               |                 |                        |
|                  | Output                          | 2 HDMI (Main Display or Programmable HD Spot)<br>1 VGA (Main Display or Programmable HD Spot)<br>1 Composite (Programmable SPOT) |                                                                     |                 |                        |
| Audio            | Audio input                     | 4 RCA                                                                                                                            |                                                                     |                 | 16 RCA                 |
|                  | Output                          | 1 RCA                                                                                                                            |                                                                     |                 |                        |
| Sensor In        |                                 | 4 (NC, NO selectable)                                                                                                            |                                                                     |                 | 16 (NC, NO selectable) |
| Alarm out        |                                 | 1 relay                                                                                                                          |                                                                     |                 | 2 Relay, 14 TTL        |
| Operating System |                                 | Embedded Linux OS                                                                                                                |                                                                     |                 |                        |
| Display          | Speed                           | Real Time                                                                                                                        |                                                                     |                 |                        |
|                  | Resolution (Pixel)              | 1280X1024, 1280X720, 1920X1080, 2560x1440(4M), 3840x2160(UHD, Main HDMI only)                                                    |                                                                     |                 |                        |
|                  | Split screen                    | 1,4                                                                                                                              | 1,4,6,8,9                                                           | 1,4,6,8,9,13,16 |                        |

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|                                                                                |                         |                                                                                                                                       |               |                        |
|--------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------|
| Main Recording                                                                 | CODEC                   | H.264                                                                                                                                 |               |                        |
|                                                                                | Resolution (Pixel)      | 8MP or 1080p @ 8MP input<br>2,3,4,5MP or 720p @ 2,3,4,5MP input<br>720p or 960x540 @ 720p input<br>960H or D1 @ Composite, 960H input |               |                        |
|                                                                                | Picture quality         | 4 steps (Super, High, Medium, Low)                                                                                                    |               |                        |
|                                                                                | Speed                   | 60fps @ UHD                                                                                                                           | 120fps @ UHD  | 240fps @ UHD           |
| Dual Recording                                                                 | CODEC                   | H.264                                                                                                                                 |               |                        |
|                                                                                | Resolution (Pixel)      | 640x352                                                                                                                               | 640x352       | 640x352                |
| Playback                                                                       | Display                 | 1,4                                                                                                                                   | 1,4,6,8,9     | 1,4,6,8,9,13,16        |
|                                                                                | Search mode             | Calendar, Event ,POS , Panorama, Thumbnail, Bookmark                                                                                  |               |                        |
|                                                                                | Speed                   | 30fps @ UHD                                                                                                                           | 60fps @ UHD   | 480 fps                |
|                                                                                | Fast/Slow speed         | Normal, REW & FF [recorded speed 2x, 4x, 8x, 16x, 32x, 64x, 1/2x , 1/4x],<br>Frame to frame, Pause                                    |               |                        |
| Network<br>(Individual setting of resolution, frame rates and picture quality) | Network Interface       | Gigabit Ethernet                                                                                                                      |               |                        |
|                                                                                | High Resolution (Pixel) | 1080p or 720p stream @ 2,3,4,5,8MP<br>720p or 960x540 stream @ 720p<br>960H or D1 stream @ Composite, 960H                            |               |                        |
|                                                                                | Low Resolution (Pixel)  | 480x256 stream @ 2,3,4,5,8MP<br>CIF stream @ 960H, Composite                                                                          |               |                        |
|                                                                                | Speed                   | 40fps @ 1080p                                                                                                                         | 70fps @ 1080p | 140fps @ 1080p         |
|                                                                                | Protocol                | TCP/IP, HTTP, DHCP                                                                                                                    |               |                        |
|                                                                                | Application             | Windows 7 / 8 / 10 (PC Client system& IE)/MAC                                                                                         |               |                        |
|                                                                                | Web Browser             | Internet Explorer, Safari                                                                                                             |               |                        |
|                                                                                | Smart phone App         | Android, iPhone for live and search                                                                                                   |               |                        |
| Dimension                                                                      |                         | 340(W)×250(D)×60(H) mm                                                                                                                |               | 430(W)×420(D)×88(H) mm |

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|                          |                              |                                                                                      |                                                                  |
|--------------------------|------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <b>Backup</b>            | <b>Interface</b>             | USB 2.0 X 2                                                                          | USB 2.0 X 3                                                      |
|                          | <b>Backup device</b>         | External HDD and CD/DVD-RW, Network, Thumb Drive                                     |                                                                  |
| <b>The number of HDD</b> |                              | 2 SATA (No capacity limit; + 1 eSATA (up to 12bays, No capacity limit; 10TB or more) | 8 SATA + 1 eSATA (up to 8 bays, No capacity limit; 10TB or more) |
| <b>Function</b>          |                              | · Full GUI with alpha blending                                                       |                                                                  |
|                          |                              | · Individual setting of resolution, frame rates and picture quality                  |                                                                  |
|                          |                              | · Instant Replay                                                                     |                                                                  |
|                          |                              | · Digital Zoom                                                                       |                                                                  |
|                          |                              | · Mouse Control                                                                      |                                                                  |
|                          |                              | · Weekly scheduler with holiday by 10 minutes setting                                |                                                                  |
|                          |                              | · Covert, Disable and Private function of cameras                                    |                                                                  |
|                          |                              | · Motion Detection with 576 area setting                                             |                                                                  |
|                          |                              | · Relay alarm output                                                                 |                                                                  |
|                          |                              | · PTZ control by RS-485                                                              |                                                                  |
|                          |                              | · Daylight Saving Time and Network Time Setting                                      |                                                                  |
|                          |                              | · Multi User Authority                                                               |                                                                  |
|                          |                              | · Deinterlacer upon live and playback                                                |                                                                  |
|                          |                              | · Multi languages with full graphic                                                  |                                                                  |
|                          |                              | · Individual Network port setting                                                    |                                                                  |
|                          |                              | · Auto Deletion                                                                      |                                                                  |
|                          |                              | · Import and Export the configuration                                                |                                                                  |
|                          |                              | · Interactive setup via network                                                      |                                                                  |
|                          |                              | · POS Interface                                                                      |                                                                  |
|                          |                              | · Mirroring                                                                          |                                                                  |
| <b>Others</b>            | <b>Power Consumption</b>     | 60W                                                                                  | 150W (SMPS)                                                      |
|                          | <b>Operating Temperature</b> | 0~40°C(32~104°F)                                                                     |                                                                  |
|                          | <b>Relative Humidity</b>     | Maximum 80% non-condensing                                                           |                                                                  |