

## SRA312-032



32 channels real-time Linux-based network video recorder, support up to 8MP decoding resolution, 4x 3.5" HDD Bay, H.265, pentaplex operations, plug and play, P2P, dual network interfaces, and remote management on various devices



## Why DivioTec?

DivioTec's aim is to transcend the capabilities of the human eye and deliver an entirely new field of view. Our integrative skills and our 20 years of industry experience are constantly driving new innovations.

Our simple, easy-to-use interfaces and our rock-solid security hardware are rapidly earning the respect and confidence of our clients.

We also make a point of listening carefully to our customers' needs, applying what we learn to develop outstanding new products and a culture of exceptional service.

At DivioTec, our experience is your protection.

- Linux-embedded highly reliable standalone NVR with 3-year warranty
- Plug-n-Play with integrated cameras, one click installation
- Support P2P, one-click for remote setup and monitoring
- Third-party network cameras supported
- Local configuration and display
- 4x 3.5" HDD bays (each disk up to 12TB)
- Up to 8 MP resolution recording
- Up to 32 channels real-time live display, recording, and playback
- H.265/H.264+ SDS<sup>™</sup> (Smart Dynamic Streaming) Plus Technology: dual stream recording, 32 channels simultaneous playback without latency, reduces CPU usage and increases system stability
- Intelligent VA Functions: Alarm Detection, Motion Detection, Tampering Alarm, Object Counting, Intrusion Detection, Video Loss Detection
- HDMI and VGA dual-monitor display, HDMI support to 4K resolution
- Dual Gigabyte Ethernet ports (LAN/ WAN), isolated local network environment for IP cameras
- Easy export via USB or network
- RTSP supported
- Remote access through Web, CMS, mobile APP (Android & iOS)
- Free DDNS service, IP address is not required for remote access
- Free central management software (CMS Pro) up to 16 sites for multiple device management, upgradable to professional Expert Command Center System (ECCS100) up to 2000 channel management

## Specifications



Operating SystemEncleded LuxxOperating SystemLux, conding, slophysick, backup, renote accessControl ModelUse Roouse, webpage, CMS, conding, Sustem, Sus	System		
Control Mode     USB mouse, webpage, CMS       Video/ Audio Input     32 channels       P Camera Inputs     32 channels       Audio Mode     1 x RCA, 1 x RCA (Two ways Talk)       Audio Mode     1 x RCA, 1 x RCA (Two ways Talk)       Audio Recording     Ves       Recording     Editory       Video Compression     H.265+/H.265+/H.264+/H.264       Recording Resolution     BMP/6MP/SMP/AMP/J080p/720p/VGA/4CIF/2CIF/CIF       Bandwidth     Input: 256Mbps; Output: 160Mbps       PTZ     Support PTZ type: R548 PTZ/ Network PTZ: Pan/Tilt/ Zoom Travel; Iris control; Focus/Auto Focus; Presets Orol; Presets Dravel; Devest Duvin / Marmi High / Highest       Recording     Or5 seconds       Post Recording     Or5 seconds       Post Recording     Or5 seconds       Display Resolution     BMP/6MP/SMP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Resolution     BMP/6MP/SMP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Collogica 2005/COH2; 128021024/60Hz; 132021080/60Hz; 1320x1200/60Hz; 1280x1204/60Hz; 1280x1204/60Hz]       Vida Coupput     Sil2/1024/268/3072/4069/2129       Vida Socorida     Sil2/1024/268/3072/4069/2129       Display Resolution     Sil2/1024/208/3072/4069/5120/6144 Kbps	Operating System	Embedded Linux	
Video/ Audio Input     Video/ Audio Input       IP Camera Inputs     32 channels       Audio Mode     1 x RCA, 1 x RCA/Two ways Taik)       Audio Recording     Yes       Recording     Yes       Recording     Yes       Recording Resolution     BMP/6MP/SMP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Bandwidth     Input: 256Mbps; Output: 160Mbps       PTZ     Support PTZ type: R5485 PTZ/ Network PTZ: Pan/Tilt/ Zoom Travel; Iris control; Focus/Auto Focus; Presets 0:10; Presets Speci: Lowest/ Low/ Normal High/Highest       Recording 0     Or5 seconds       Pre Recording 0     Or5 seconds       Preset O:10; Presets Speci: Lowest/ Low/ Normal / High/ Highest       Recording 0     Or5 seconds       Preset O:10; Presets Speci: Lowest/ Low/ Normal / High/ Highest       Recording 0     Or5 seconds       Display Mode     Full Screent, PIP, 2x2, 3x3, 4x4       Decoding Capacity     4-ch@8MP at 301ps or 16ch@2MP at 301ps       MDM Output     f8/840402/GIO/30142, 2X/2500/G0Hz, 1280x1020/G0Hz, 1260x1020/G0Hz, 1280x1020/GHz, 1280x7020/GHz       MDM Output     f9/8/13/13/12/0/25/30 fps       Bit Rate     51/1024/2048/ 3072/4096/512/0/510/6144 Kbps       OSD     GUI </td <td>Operations</td> <td>Live, recording, playback, backup, remote access</td>	Operations	Live, recording, playback, backup, remote access	
IP Camera Inputs     32 channels       Audio Mode     1x RCA, 1 x RCA (Two ways Talk)       Audio Recording     Ves       Recording     Ves       Recording     1.255/H.265/H.264/H.264       Recording Resolution     8MP/6MP/SMP/AMP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Bandwidth     Input: 256Mbps; Output: 160Mbps       Protection     Support PTZ type: R5485 PTZ/ Network PTZ; Pan/Titl/ Zoom Travel; Iris control; Focus/Auto Focus; Presets Or-10; Presets Speed: Lowest/ Low/ Normal/ High/ Highest       Recording Mode     Normal+ Event/ Event Only, Normal: Controlus Schedule, Event: Motion/ Alarm/ Video loss       Pre Recording Or-5 seconds     Or-610 seconds       Display Resolution     8MP/6MP/SMP/AMP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Node     Full Second MP/SMP/AMP/1080p/720p/VGA/4CIF/2CIF/CIF	Control Mode	USB mouse, webpage, CMS	
Audio Mode     1x RCA (1 x RCA (1 wo ways Talk)       Audio Mecording     Yes       Recording     Ves       Number of the second s	Video/ Audio Input		
Audio Recording     Yes       Recording     Yes       Nucleo Compression     H.265+/H.265/H.264+/H.264       Recording Resolution     SMP/GMP/SMP/AMP/1880p/720p/VGA/4CIF/2CIF/CIF       Bandwidth     Input: 256Mps; Output: 160Mps       Bandwidth     Input: 256Mps; Output: 160Mps       PTZ     Support PTZ type: RS485 PTZ/ Network PTZ; Pan/Til// Zoom Travel; Iris control; Focus/Auto Focus; Presets O-all, Presets Speed: Lowest/ Low/ Normal/ High/ Highest       Recording     O's seconds       Post Recording     O's seconds       Display     O's seconds       Display Solution     SMP/GMP/SMP/AMP/J080p/720p/VGA/4CIF/2CIF/CIF       Display Resolution     SMP/GMP/SMP/J080p/720p/VGA/4CIF/2CIF/CIF     Displ	IP Camera Inputs	32 channels	
Recording       Video Compression     H.265+/H.265/H.264/H.264       Recording Resolution     8MP/6MP/SMP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Bandwidth     Input: 256Mbps; Output: 160Mbps       Bandwidth     Input: 256Mbps; Output: 160Mbps       PTZ     Support PTZ type: RS48S PTZ/ Network PTZ; Pan/Til/ Zoom Travel; Iris control; Focus/Auto Focus; Presets Spee: Lowest/ Low/ Normal/ High/ Highest       Recording Mode     Normal+ Event / Event Only, Normal: Continuous/ Schedule, Event: Motion/ Alarm/ Video loss       Pre Recording     0~51 seconds       Dotate Recording     0~610 seconds       Display     0~610 seconds       Display Resolution     8MP/6MP/SMP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Mode     Full Screen, PIP, 2x2, 3x3, 4x4       Decoding Capacity     4-che@RMP at 30fps or 16ch@2MP at 30fps       HDMI Output     4X(3840x2160/30Hz, 2X(5260x1440/60Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x1024/60Hz, 1280x1024/60Hz, 1280x1024/60Hz, 1280x1024/60Hz, 1280x1024/60Hz, 1280x20/60Hz       VGA Output     1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1280x200/60Hz       VGA Output     1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1280x200/60Hz       VGA Output     1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1280x200/60Hz	Audio Mode	1 x RCA, 1 x RCA(Two ways Talk)	
Video Compression     H.265+/H.264+/H.264       Recording Resolution     BMP/6MP/SMP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Bandwidth     Input: 256Mbps; Output: 160Mbps       PTZ     Support PTZ type: R5485 PTZ/ Network PTZ; Pan/Tilt/ Zoom Travel; iris control; Focus/Auto Focus; Presets 0°10; Presets Speed: Lowes/Low/Normal/High/Highest       Recording Mode     Normal+ Event/ Event Only, Normal: Continuous/ Schedule, Event: Motion/ Alarm/ Video Ioss       Pre Recording     0°5 seconds       Display     0°610 seconds       Display Resolution     BMP/6MP/SMP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Resolution     SMP/6MP/SMP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Mode     Full Screen, PIP, 2x2, 3x3, 4x4       Decoding Capacity     4 <chebmp 16ch@2mp="" 30fps="" 30fps<="" at="" or="" th="">       HDMI Output     1/205/2500/340/2 (25/2500/1440/60Hz), 1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1</chebmp>	Audio Recording	Yes	
Recording Resolution     8MP/6MP/SMP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Bandwidth     Input: 256Mbps; Output: 160Mbps       PTZ     Support PTZ type: R5485 PTZ/ Network PTZ; Pan/Tilt/Zoom Travel; Iris control; Focus/Auto Focus; Presets 0°-10; Presets Speed: Lowest/ Low/ Normal/ High/ Highest       Recording Mode     Normal+ Event/ Event Only, Normal: Continuous/ Schedule, Event: Motion/ Alarm/ Video loss       Pre Recording     0°-5 seconds       Destal     0°-61 seconds       Display     SMP/6MP/SMP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Resolution     8MP/6MP/SMP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Resolution     SMP/6MP/SMP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Mode     Full Screen, PIP, 2x2, 3x3, 4x4       Decoding Capacity     4-ch@8MP at 30fps or 16ch@2MP at 30fps       HOMI Output     14/3490x2160/301r.2 (SC2560x1440/60Hz), 1920x1080/60Hz, 1600x1200/60Hz, 140x900/60Hz, 1280x1204/60Hz, 1280x1204/60Hz, 1024x768/60Hz, 1280x1204/60Hz, 1280x1204/60Hz, 1280x1204/60Hz, 1024x768/60Hz, 1280x1204/60Hz, 1280x1204/60Hz, 1024x768/60Hz, 1280x1204/60Hz, 1024x768/6Hz, 1280x1204/60Hz, 1024x768/6Hz, 1280x1204/60Hz, 1024x768/6Hz, 1280x1204/60Hz, 1024x768/6Hz, 1280x1204/60Hz, 1024x768/6Hz, 1280x1204/60Hz, 1024x768/6Hz, 1280x1204/6Hz, 1024x768/6Hz, 1280x1204/6Hz, 1280x1204/	Recording		
Bandwidth     Input: 256Mbps; Output: 160Mbps       PTZ     Support PTZ type: R5485 PTZ/ Network PTZ; Pan/Tilt/ Zoom Travel; Iris control; Focus/Auto Focus; Presets 0~10; Presets Speed: Lowest/ Low/ Normal/ High/ Highest       Recording Mode     Normal+ Event/ Event Only, Normal: Continuous/ Schedule, Event: Motion/ Alarm/ Video Ioss       Pre Recording     0~5 seconds       Post Recording     0~610 seconds       Display        Display Resolution     8MP/6MP/SMP/AMP/3MP/1080p/720p/VGA/4CIF/ZCIF/CIF       Display Mode     Full Screen, PIP, 2x2, 3x3, 4x4       Decoding Capacity     4-ch@8MP at 30fps or 16ch@2MP at 30fps       HDMI Output     4K(3840x2160)/30Hz, 2K(2560x1440/60Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1480x900/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x702/60Hz       YGA Output     192xx1080/60Hz, 1280x70/60Hz       Display Reset Event     1920x1080/60Hz, 1280x702/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x70/60Hz       YGA Output     192xx1080/60Hz, 1280x702/60Hz       Bit Rate     512/1024/2048/ 3072/4096/5120/6144 Kbps       OSD     GUI       Remote View     IPhone, IPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)       Image Adjustment     Brightness, Contrast, Saturation, Sharpness, Hue Adjust       Orientation     Mir	Video Compression	H.265+/H.265/H.264+/H.264	
PTZ     Support PTZ type: RS48S PTZ/ Network PTZ; Pan/Tilt/ Zoom Travel; Iris control; Focus/Auto Focus; Presets 0°10; Presets Speed: Lowest/ Low/ Normal/ High/ Highest       Recording Mode     Normal+ Event/ Event Only, Normal: Continuous/ Schedule, Event: Motion/ Alarm/ Video Ioss       Pre Recording     0°5 seconds       Display     0°610 seconds       Display Resolution     8MP/6MP/SMP/14MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Mode     Full Screen, PIP, 2x2, 3x3, 4x4       Decoding Capacity     4-kl3840/s2100/301k2, 2K[2560x1440/60Hz], 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x1202/60Hz, 1024x768/60Hz, 1280x1202/60Hz, 1280x720/60Hz       VGA Output     1920x1080/60Hz, 1600x1200/60Hz, 1280x1200/60Hz, 1280x1202/60Hz, 1280x1202/60Hz       Slap Setting     5/k/10/13/15/20/25/30 fps       Bit Rate     5/k/10/13/15/20/25/30 fps       Bit Rate<	Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF	
P12     Presets 0~10; Presets Speed: Lowest/ Low/ Normal/ High/ Highest       Recording Mode     Normal+ Event/ Event Only, Normal: Continuous/ Schedule, Event: Motion/ Alarm/ Video loss       Pre Recording     O~5 seconds       Post Recording     O~610 seconds       Display     Event/ Event / Event / Motion/ Alarm/ Video loss       Display Resolution     SMP/6MP/SMP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Mode     Full Screen, PIP, 2x2, 3x3, 4x4       Decoding Capacity     4-ch@8MP at 30fps or 16ch@2MP at 30fps       HDMI Output     4K(3840x2160)/30Hz, 2K(2560x1440/60Hz), 1920x1080/60Hz, 1600x1200/60Hz, 1280x102/60Hz, 1280x102/60Hz, 1024x768/60Hz, 1280x102/60Hz, 1024x768/60Hz, 1280x102/60Hz       VGA Output     920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x102/60Hz, 1024x768/60Hz, 1280x720/60Hz       Bit Rate     512/ 1024/2048/ 3072/409/5120/6144 Kbps       OSD     Gul       Resetting from camera     Yes/No       Image Adjustment     Brightness, Contrast, Saturation, Sharpness, Hue Adjust       Orientation     Mirror, Flip       Phyback Capability     32 channels simultaneous playback without latency       Playback Control     Jay, pause, stop, forward, rewind, fast forward, fast rewind	Bandwidth	Input: 256Mbps; Output: 160Mbps	
Pre Recording     0°5 seconds       Post Recording     0°610 seconds       Display        Display Resolution     8MP/6MP/5MP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Mode     Full Screen, PIP, 2x2, 3x3, 4x4       Decoding Capacity     4-ch@8MP at 30fps or 16ch@2MP at 30fps       HDMI Output     4/k(3840x2160)/30Hz, 2K(2560x1440/60Hz), 1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1280x1024/60Hz, 1280x20/60Hz, 1280x2	PTZ		
Post Recording     Orefit seconds       Post Recording     Orefit seconds       Display     SMP/6MP/5MP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Resolution     8MP/6MP/5MP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Mode     Full Screen, PIP, 2x2, 3x3, 4x4       Decoding Capacity     4-ch@8MP at 30fps or 16ch@2MP at 30fps       HDMI Output     4K(3840x2160)/30Hz, 2K(2560x1440/60Hz), 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x1024/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x702/60Hz       VGA Output     1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x702/60Hz       VGA Output     1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x702/60Hz       Frame Rate     5/8/10/13/15/20/25/30 fps       Bit Rate     512/1024/2048/ 3072/4096/5120/6144 Kbps       OSD     GUI       Remote View     iPhone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)       Image Setting        Apply setting from camera     Yes/No       Image Adjustment     Brightness, Contrast, Saturation, Sharpness, Hue Adjust       Orientation     Mirror, Flip       Playback & Backup        Playback Capability	Recording Mode	Normal+ Event/ Event Only, Normal: Continuous/ Schedule, Event: Motion/ Alarm/ Video loss	
Display       Display Resolution     8MP/6MP/5MP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF       Display Mode     Full Screen, PIP, 2x2, 3x3, 4x4       Decoding Capacity     4-ch@8MP at 30fps or 16ch@2MP at 30fps       HDMI Output     4K(3840x2160)/30Hz, 2K(2560x1440/60Hz), 1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x720/60Hz       VGA Output     1920x1080/60Hz, 1280x720/60Hz       VGA Output     1920x1080/60Hz, 1280x720/60Hz       S/8/10/13/15/20/25/30 fps     512/1024/2048/3072/4096/5120/6144 Kbps       OSD     GUI       Remote View     Phone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)       Image Setting     Yes/No       Image Adjustment     Brightness, Contrast, Saturation, Sharpness, Hue Adjust       Orientation     Mirror, Flip       Playback & Backup     32 channels simultaneous playback without latency       Playback Corboil     S12 channels simultaneous playback without latency	Pre Recording	0~5 seconds	
Display Resolution8MP/6MP/5MP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIFDisplay ModeFull Screen, PIP, 2x2, 3x3, 4x4Decoding Capacity4-ch@8MP at 30fps or 16ch@2MP at 30fpsHDMI Output4K(3840x2160)/30Hz, 2K(2560x1440/60Hz), 1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x720/60HzVGA Output1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x720/60HzFrame Rate5/8/10/13/15/20/25/30 fpsBit Rate512/1024/2048/ 3072/4096/5120/6144 KbpsOSDGUIRemote ViewiPhone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)Image SettingYes/NoImage AdjustmentBrightness, Contrast, Saturation, Sharpness, Hue AdjustOrientationMirror, FlipPlayback & Backup32 channels simultaneous playback without latencyPlayback Corbrolplay, pause, stop, forward, rewind, fast forward, fast rewind	Post Recording	0~610 seconds	
Display ModeFull Screen, PIP, 2x2, 3x3, 4x4Decoding Capacity4-ch@8MP at 30fps or 16ch@2MP at 30fpsHDMI Output4K(3840x2160)/30Hz, 2K(2560x1440/60Hz), 1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x702/60HzVGA Output1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x720/60HzFrame Rate5/8/10/13/15/20/25/30 fpsBit Rate512/ 1024/2048/ 3072/4096/5120/6144 KbpsOSDGUIRemote ViewiPhone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)Image SettingYes/NoOrientationMirror, FlipPlayback & BackupYes/NoPlayback Capability32 channels simultaneous playback without latencyPlayback Controlplay, pause, stop, forward, rewind, fast forward, fast rewind	Display		
Decoding Capacity4-ch@8MP at 30fps or 16ch@2MP at 30fpsHDMI Output4K(3840x2160)/30Hz, 2K(2560x1440/60Hz), 1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1280x1024/60Hz, 1280x1024/60Hz, 1280x1024/60Hz, 1280x720/60HzVGA Output1920x1080/60Hz, 1280x720/60HzI 1920x1080/60Hz, 1280x720/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x720/60HzFrame Rate5/8/10/13/15/20/25/30 fpsBit Rate512/ 1024/2048/ 3072/4096/5120/6144 KbpsOSDGUIRemote ViewiPhone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)Image SettingYes/NoImage AdjustmentBrightness, Contrast, Saturation, Sharpness, Hue AdjustOrientationMirror, FlipPlayback Capability32 channels simultaneous playback without latencyPlayback Controlplay, pause, stop, forward, rewind, fast forward, fast rewind	Display Resolution	8MP/6MP/5MP/4MP/3MP/1080p/720p/VGA/4CIF/2CIF/CIF	
HDMI Output4K(3840x2160)/30Hz, 2K(2560x1440/60Hz), 1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x720/60HzVGA Output1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x720/60HzFrame Rate5/8/10/13/15/20/25/30 fpsBit Rate512/1024/2048/ 3072/4096/5120/6144 KbpsOSDGUIRemote ViewiPhone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)Image SettingYes/NoImage AdjustmentSrightness, Contrast, Saturation, Sharpness, Hue AdjustOrientationMirror, FlipPlayback Capability32 channels simultaneous playback without latencyPlayback Controlplay, pause, stop, forward, rewind, fast forward, fast rewind	Display Mode	Full Screen, PIP, 2x2, 3x3, 4x4	
HDMI Output1024x768/60Hz, 1280x720/60HzVGA Output1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x720/60HzFrame Rate5/8/10/13/15/20/25/30 fpsBit Rate5/8/10/13/15/20/25/30 fpsOSDGUIRemote ViewiPhone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)Image SettingApply setting from cameraYes/NoImage AdjustmentBrightness, Contrast, Saturation, Sharpness, Hue AdjustOrientationMirror, FlipPlayback & Backup32 channels simultaneous playback without latencyPlayback Copability32 channels simultaneous playback mithout fast forward, fast rewind	Decoding Capacity	4-ch@8MP at 30fps or 16ch@2MP at 30fps	
Frame Rate5/8/10/13/15/20/25/30 fpsBit Rate512/ 1024/2048/ 3072/4096/5120/6144 KbpsOSDGUIRemote ViewiPhone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)Image SettingApply setting from cameraYes/NoImage AdjustmentBrightness, Contrast, Saturation, Sharpness, Hue AdjustOrientationMirror, FlipPlayback & Backup32 channels simultaneous playback without latencyPlayback Controlplay, pause, stop, forward, rewind, fast forward, fast rewind	HDMI Output		
Bit Rate   512/1024/2048/ 3072/4096/5120/6144 Kbps     OSD   GUI     Remote View   iPhone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)     Image Setting   Yes/No     Apply setting from camera   Yes/No     Image Adjustment   Brightness, Contrast, Saturation, Sharpness, Hue Adjust     Orientation   Mirror, Flip     Playback & Backup   2 channels simultaneous playback without latency     Playback Control   play, pause, stop, forward, rewind, fast forward, fast rewind	VGA Output	1920x1080/60Hz, 1600x1200/60Hz, 1440x900/60Hz, 1280x1024/60Hz, 1024x768/60Hz, 1280x720/60Hz	
OSD   GUI     Remote View   iPhone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)     Image Setting   Image Adjustment     Apply setting from camera   Yes/No     Image Adjustment   Brightness, Contrast, Saturation, Sharpness, Hue Adjust     Orientation   Mirror, Flip     Playback & Backup   2 channels simultaneous playback without latency     Playback Control   play, pause, stop, forward, rewind, fast forward, fast rewind	Frame Rate	5/8/10/13/15/20/25/30 fps	
Remote View   iPhone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)     Image Setting   Image Adjustment     Apply setting from camera   Yes/No     Image Adjustment   Brightness, Contrast, Saturation, Sharpness, Hue Adjust     Orientation   Mirror, Flip     Playback & Backup   2 channels simultaneous playback without latency     Playback Control   play, pause, stop, forward, rewind, fast rewind	Bit Rate	512/ 1024/2048/ 3072/4096/5120/6144 Kbps	
Image Setting     Apply setting from camera   Yes/No     Image Adjustment   Brightness, Contrast, Saturation, Sharpness, Hue Adjust     Orientation   Mirror, Flip     Playback & Backup   2     Playback Copability   32 channels simultaneous playback without latency     Playback Control   play, pause, stop, forward, rewind, fast rewind	OSD	GUI	
Apply setting from cameraYes/NoImage AdjustmentBrightness, Contrast, Saturation, Sharpness, Hue AdjustOrientationMirror, FlipPlayback & Backup2 channels simultaneous playback without latencyPlayback Controlplay, pause, stop, forward, rewind, fast forward, fast rewind	Remote View	iPhone, iPad, Android phones, Android tablet, IE Explorer, CMS (CMS Pro & ECCS100)	
Image Adjustment   Brightness, Contrast, Saturation, Sharpness, Hue Adjust     Orientation   Mirror, Flip     Playback & Backup   2 channels simultaneous playback without latency     Playback Control   play, pause, stop, forward, rewind, fast forward, fast rewind	Image Setting		
Orientation Mirror, Flip   Playback & Backup   Playback Capability 32 channels simultaneous playback without latency   Playback Control play, pause, stop, forward, rewind, fast forward, fast rewind	Apply setting from camera	Yes/No	
Playback & Backup     Playback Capability   32 channels simultaneous playback without latency     Playback Control   play, pause, stop, forward, rewind, fast forward, fast rewind	Image Adjustment	Brightness, Contrast, Saturation, Sharpness, Hue Adjust	
Playback Capability   32 channels simultaneous playback without latency     Playback Control   play, pause, stop, forward, rewind, fast forward, fast rewind	Orientation	Mirror, Flip	
Playback Control play, pause, stop, forward, rewind, fast forward, fast rewind	Playback & Backup		
	Playback Capability	32 channels simultaneous playback without latency	
Search Control by date, time, events, channel	Playback Control	play, pause, stop, forward, rewind, fast forward, fast rewind	
	Search Control	by date, time, events, channel	

## Specifications



Export	through USB, webpage, CMS	
Storage	4x 3.5" HDD bays (each HDD up to 12TB)	
Event		
Alarm I/O	16 x alarm-in, 4 x alarm-out	
Event Trigger	Alarm Detection, Motion Detection, Tampering Alarm, Object Detection, Intrusion Detection, Video Loss Detection	
Object& Intrusion Detection	(Line) Object Counting , Line Intrusion , Zone Object-Counting, Zone Intrusion	
Alarm Detection	Disk Full, Disk Error, No Disk, Network Disconnect, Illegal Login, Disk Over Temperature, Fan Fall, Power Loss IP Conflict	
Event Actions	Buzzer Spot on Main Monitor Notification via email SMTP, SSL, STARTTLS Send to Alarm Server File upload via FTP, Network Storage and email Alarm output port Push to Mobile	
Security		
Watermark	Yes	
User Privilege	Guest (Live, OSD, Zoom)/ Operator (all function except for configuration)/ Admin (all function) Management of user's camera access (limit user's access to any camera)	
Network		
ONVIF	Yes; Profile S	
Protocol	TCP/IP, SMTP, DHCP, HTTP, SNMP, STARTTLS,DDNS, PPPoE, UDP, UPnP, SSL, RTP, RTSP, NTP, IPv4/IPv6	
Ethernet	Dual Gigabyte Ethernet 1 x 10/100/1000Mbps (WAN), 1 x 10/100/1000Mbps (LAN)	
Environment		
Language	English, Thai, Chinese	
I/O	3 x USB port, 1 x RS485 (Support Pelco D, Pelco P)	
Power	DC 12V, 90W, Switching power supply, 100-240VAC	
Dimension	420(W)x 65(H)x305(D) mm ± 5mm / 1.3"(W)x 0.2"(H)x 1.0"(D) ± 0.01"	
Operating Temperature	0°C to 50°C / 32°F to 122°F	



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