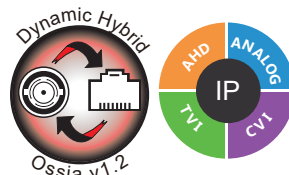
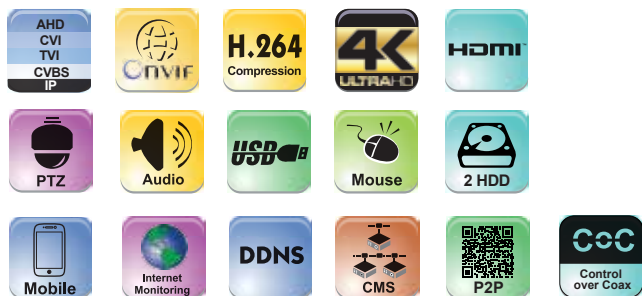


# 8+4 CH Dynamic Hybrid DVR

## SH-8100A-4(1U)



4MP 1080P 4MP



Hybrid Modes	HD Analog	8	7	6	5	4	3	2	1	0
	IP	4	5	6	7	8	9	10	11	12

<b>MODEL</b>		SH-8100A-4(1U) [Ossia v1.2]										
<b>System</b>	<b>Compression Format</b>		High profile H.264									
	<b>ONVIF</b>		Yes (for IP Channels)									
	<b>Format</b>		"All in 1" Hybrid (AHD / CVI / TVI / CVBS ) + IP									
<b>Video</b>	<b>Input</b>	<b>Min.</b>	0CH Standard BNC + 12CH IP (Over Network)									
		<b>Max.</b>	8CH Standard BNC + 4CH IP (Over Network) - <u>Default Setting</u>									
	<b>Standard Output</b>		HDMI(4K, 1920x1080), VGA (1280x1024, 1024x768), CVBS(Spot)									
<b>Audio</b>	<b>Input</b>		4CH RCA (2.0 Vp-p, 1 kΩ)1CH (+IP Cameras)									
	<b>Output</b>		1CH RCA (2.0 Vp-p, 1 kΩ)									
	<b>Two Way Audio</b>		Yes									
<b>HD Analog Recording</b>	<b>General</b>	<b>Channels &amp;Resolution</b>	<b>Min.</b>	No Channels (IP Channels Only)								
			<b>Max.</b>	8CH 4MP Half Real-Time (With 4CH IP) - <u>Default Setting</u>								
	<b>Recording Modes</b>		Schedule, Manual, Motion, Sensor									
	<b>AHD</b>	<b>4MP</b>		Up to 15/12FPS Per Channel								
		<b>2MP (1080P) and lower</b>		30/25FPS Per Channel								
		<b>TVI</b> <b>CVI</b>	<b>4MP</b>		No							
	<b>2MP (1080P) and lower</b>		30/25FPS Per Channel									
<b>CVBS</b>	<b>960H</b>		30/25FPS Per Channel									
<b>IP Recording</b>	<b>General</b>	<b>Channels &amp;Resolution</b>	<b>Min.</b>	4CH 4MP Real-Time (With 8CH Analog) - <u>Default Setting</u>								
			<b>Max.</b>	12CH 4MP Real-Time (No Analog CH)								
	<b>Recording Modes</b>		Schedule, Manual, Motion, Sensor, Analytics									
	<b>IP</b>	<b>4MP (Max Resolution)</b>		30/25FPS Per Channel								
<b>2MP and Lower</b>		30/25FPS Per Channel										
<b>Playback</b>	<b>Local / Remote</b>		8CH / 9CH									
	<b>Search Mode</b>		Time-Slice, Time, Event, File Management									
<b>Backup</b>	<b>USB</b>		1 USB 2.0 Port + 1 USB 3.0 Port									
	<b>Backup Format</b>		AVI/DAT									
<b>Remote Application</b>	<b>HD Analog Stream</b>		Master Stream 1-12/15FPS@4MP (AHD Only) / 1-25/30FPS@1080P; Sub-Stream: Up to 1-25FPS@1080P									
	<b>Analog Stream</b>		Master & Sub-Stream 1-25/30FPS@960H									
	<b>IP Stream</b>		Master Stream 1-25/30FPS@4MP; Sub-Stream Up to 1-25/30FPS@D1									
	<b>Master Stream</b>		Up to 16Ch@Recording Resolution									
	<b>Browser</b>		Safari (Mac OS) IE (Windows Vista/7/8/10)									
	<b>CMS</b>		Yes									
	<b>Mobile Application</b>		Provision Cam2 for iOS/Android									
<b>Alarm</b>	<b>Input</b>		4CH (+IP Cameras)									
	<b>Output</b>		1CH (+IP Cameras)									
<b>Storage</b>	<b>HDD</b>		2 SATA (8TB Each) with smart management									
	<b>E-SATA</b>		No									
<b>PTZ</b>	<b>Connection</b>		RS-485 / CoC / IP-Over Network									
	<b>Supported Protocols</b>		Pelco D, Pelco P, Samsung, Visca, ONVIF, CoC									
	<b>Supported Controls</b>		Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus									
<b>Network</b>	<b>Ethernet</b>		100 Mbps (RJ-45)									
	<b>Protocol</b>		TCP/IP, DHCP, DDNS, NTP, SMTP, RTSP, HTTPS, FTP, SNMP, P2P									
	<b>Bandwidth</b>	<b>Incoming</b>	60Mbps (For 12 IP Channels) / 32Mbps (For 4 IP Channels)									
		<b>Outgoing</b>	80Mbps									
<b>Others</b>	<b>Dimension</b>		W375xD275xH50mm									
	<b>IR Controller</b>		Yes									
	<b>Power Supply</b>		12V/3A									
	<b>Operation Temperature</b>		0°C ~50°C									

# 8 CH 4in1 + 4 CH IP Hybrid DVR

## SH-8100A-4(1U)



ossia

4MP 1080P 4MP



<b>MODEL</b>		SH-8100A-4(1U)	
<b>System</b>	<b>Compression Format</b>	High profile H.264	
	<b>ONVIF</b>	Yes	
	<b>Format</b>	"All in 1" Hybrid (AHD / CVI / TVI / CVBS + IP)	
<b>Video</b>	<b>Input</b>	8CH Standard BNC + 4CH IP (Over Network)	
	<b>Standard Output</b>	HDMI(4K, 1920x1080), VGA (1280x1024), CVBS(Spot)	
<b>Audio</b>	<b>Input</b>	4CH	
	<b>Output</b>	1CH	
	<b>Two Way Audio</b>	Yes	
<b>Recording</b>	<b>AHD</b>	<b>Max. Resolution</b>	8CH 4MP Half Real-Time
		<b>4MP</b>	120FPS (NTSC)/100FPS (PAL) Total. Up to 15/12FPS Per Channel
	<b>CVI + TVI</b>	<b>2MP (1080P) &amp; Lower</b>	240FPS (NTSC)/200FPS (PAL)
		<b>Max. Resolution</b>	8CH 2MP Real-Time
	<b>Analog</b>	<b>2MP (1080P) &amp; Lower</b>	240FPS (NTSC)/200FPS (PAL)
		<b>Max. Resolution</b>	8CH 960H Real-Time
	<b>IP</b>	<b>960H</b>	240FPS (NTSC)/200FPS (PAL)
		<b>Max. Resolution</b>	4CH 4MP Real-Time
		<b>4MP</b>	120FPS (NTSC)/100FPS (PAL)
		<b>3MP</b>	120FPS (NTSC)/100FPS (PAL)
<b>General</b>	<b>2MP (1080P) &amp; Lower</b>	120FPS (NTSC)/100FPS (PAL)	
	<b>Recording Modes</b>	Schedule, Manual, Motion, Sensor	
<b>Playback</b>	<b>HD Analog Playback</b>	8CH	
	<b>IP Playback</b>	8CH	
	<b>Search Mode</b>	Time, Event, File Management	
<b>Backup</b>	<b>USB</b>	1 USB 2.0 Port + 1 USB 3.0 Port	
	<b>DVD Burner</b>	No	
	<b>Backup Format</b>	AVI/DAT	
<b>Remote Application</b>	<b>AHD Stream</b>	Master Stream 1-12/15FPS@4MP / 1-25/30FPS@1080P; Sub-Stream: Up to 1-25FPS@1080P	
	<b>CVI/TVI Stream</b>	Master Stream 1-25/30FPS@1080P; Sub-Stream Up to 1-25FPS@1080P	
	<b>Analog Stream</b>	Master Stream 1-25/30FPS@960H; Sub-Stream Up to 1-25/30FPS@D1	
	<b>IP Stream</b>	Master Stream 1-25/30FPS@4MP; Sub-Stream Up to 1-25/30FPS@D1	
	<b>Master Stream</b>	Up to 16Ch@Recording Resolution	
	<b>Browser</b>	IE, Safari, Firefox (Mac OS, Windows XP/Vista/7/8/10)	
	<b>CMS</b>	Yes	
	<b>Mobile Application</b>	Provision Cam2 for iOS/Android	
<b>Alarm</b>	<b>User Access</b>	5 Users Online with Professional Authority Management	
	<b>Input</b>	4CH	
<b>Storage</b>	<b>Output</b>	1CH	
	<b>HDD</b>	2 SATA (6TB)	
<b>PTZ</b>	<b>E-SATA</b>	No	
	<b>Connection</b>	RS-485 / CoC	
	<b>Supported Protocols</b>	Pelco D, Pelco P, Samsung, Visca, ONVIF, CoC	
<b>Network</b>	<b>Supported Controls</b>	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus	
	<b>Ethernet</b>	100 Mbps (RJ-45)	
<b>Others</b>	<b>Protocol</b>	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P	
	<b>Dimension</b>	W375xD275xH45mm	
	<b>IR Controller</b>	Yes	
	<b>Power Supply</b>	12V/3A	
	<b>Operation Temperature</b>	0°C ~50°C	