

**YOUR SOURCE FOR HD & ANALOG VIDEO**

**NUVICO®**

# HYDRA

## HYDRA HD SYSTEM BY NUVICO

Finally an HD Solution that runs over 300ft... at 1080p!



ONVIF Network HD up to 300ft  
Camera



BNC HD up to 1500ft



Recorder

HD IP  
over Coax



COAX | CAT5e



### Port-To-Port Plug And Play Installation:

HYDRA HD™ cameras will perfectly sync with a HYDRA HD™ recorder via the BNC port without requiring IP configuration or IP setup. The HYDRA HD™ recorder detects and assigns designated channels when HYDRA HD™ cameras are connected to each BNC port

### No More IP Latency For Live Video:

HYDRA HD™ cameras show live display in HD. There is no packet encoding and decoding delays

### Runs 1080p HD Video Using Existing Coax Cable:




No need to upgrade or replace an existing cable to a Cat5e or Cat6 network cable for an existing analog site. HYDRA HD™ cameras uses existing coax cable to deliver 1080p HD video

### No More Stress With Cable Distance Limitations:

HYDRA HD™ cameras can transmit 1080p HD video over a coax cable up to 1500ft without using repeaters or boosters

# HYDRA HD™ Recorders






## HYDRA HD™ Digital Video Recorders

	HR-400	HR-800	HR-1600
			
	HR-420, *440	HR-820, 840, *880	HR-1620, 1640, *1680
Video Format	HYDRA HD™		
Main Monitor Outputs & HD Display Resolution	Main-1: HDMI, VGA		
HD Video inputs	HD BNC, Network		
Network Transmission Method	H.264		
Maximum Recording Rate & Resolution Per Channel	30pps @ 1080p Per Channel		
HDD Bays	1 Internal Bays	2 Internal Bays	2 Internal Bays
HD Local Live & Playback	Yes		
Maximum HD-BNC Distance	Up to 1500ft with HYDRA HD™ Cameras		
Licence Fees	None		
Power Consumption	12VDC / 3Amp	12VDC / 5Amp	12VDC / 5Amp
Dimensions (W-D-H)	13.5" x 10" x 2.23"	15" x 13.5" x 2.59"	15" x 13.5" x 2.59"
SW Platform	EV (EMS, CMS 2)		
Mobile App	EV mobile - free (iPhone, iPad, Android Phone, Android Tablets)		

Designs and specifications are subject to change without notice.

# HYDRA HD™ Cameras

## HYDRA HD™ Indoor, Vandalproof, Bullet Cameras

	HC-D3	HC-D31	HC-OV3	HC-OV31	HC-B3	HC-B31
						
Resolution	1080p over Coax & Cat5e					
Max Cable Distance	RG59 / Cat5e up to 1500ft / 300ft					
Day/Night Functionality	Yes w/ICR					
Lens Type	3.6mm Fixed Lens	3 ~ 10mm VF Lens	3.6mm Fixed Lens	3 ~ 10mm VF Lens	3.6mm Fixed Lens	3 ~ 10mm VF Lens
Angle of View	100°(W) ~ 31.7°(T)	110°(W) ~ 31.7°(T)	100°(W) ~ 31.7°(T)	110°(W) ~ 31.7°(T)	100°(W) ~ 31.7°(T)	110°(W) ~ 31.7°(T)
IR LEDs	30	30	30	30	24	36
IR LEDs Distance	Up to 100ft.	Up to 100ft.	Up to 100ft.	Up to 100ft.	Up to 50ft.	Up to 100ft.
Audio IN/OUT	1/1					
Video Compression	H.264 / MJPEG					
Frame Rate	45pps @ 1080p					
Weatherproof rating	Indoor	Indoor	IP 66	IP 66	IP 66	IP 66
Power Over Ethernet(PoE)	IEEE 802.3af compliant					
Operating Temperature	23°F ~ 113°F	23°F ~ 113°F	-20°F ~ 122°F	-20°F ~ 122°F	-20°F ~ 122°F	-20°F ~ 122°F
Power Consumption	12 VDC / 1Amp					

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# Server Type Network Video Recorders

Options	
SN - URB20	2TB HDD
SN - URB40	4TB HDD
SN - 4LC	Basic 4 Pack License
SN - 4LP	Pro 4 Pack License

## Server Base NVRs

	SN-C1600	SN-P3200	SN-U3206
			
IP Channels	Up to 16	Up to 32	Up to 32
Main Monitor Outputs		DVI / HDMI / VGA	
Protocol		ONVIF	
Video Compression		H.264 / MJPEG	
Maximum Recording Rate & Resolution	Up to 7pps @ 2MP Per channel	Up to 10pps @ 2MP Per channel	Up to 10pps @ 2MP Per channel
HW RAID	No	No	Yes
HDD Bays	*2 Internal Bays (Up to 4TB)	*4 Removable Bays (Up to 8TB)	*4 Removable Bays (Up to 8TB)
1080p Local Live & Playback	Yes	Yes	Yes
Hybrid option	N/A	4ch or 8ch	4ch or 8ch
Additional Licence Package	4ch Per Pack	4ch Per Pack	4ch Per Pack
Network Port	2x Gbit	2x Gbit	2x Gbit
Power Consumption		AC100 ~ 240V, 50/60Hz, 170W Max, Typical 120W	

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# Super Mega Pixel Network Cameras

## 5MP IP cameras

	NC-5M-D21	NC-5M-OV3	NC-5M-OV21	NC-5M-B3	NC-5M-B21
					
Resolution Supported	5MP / 3MP / 2MP / 1.3MP				
Day/Night Functionality	Yes w/ICR				
Lens Type	2.8 ~ 11mm VF Lens	3.6mm Fixed Lens	2.8 ~ 11mm VF Lens	3.6mm Fixed Lens	2.8 ~ 11mm VF Lens
Angle of View	110°(W) ~ 31.7°(T)	100°(W) ~ 31.7°(T)	110°(W) ~ 31.7°(T)	100°(W) ~ 31.7°(T)	110°(W) ~ 31.7°(T)
IR LEDs	30(Up to 100ft)	30(Up to 100ft)	30(Up to 100ft)	30(Up to 100ft)	36(Up to 110ft)
Frame Rate	10pps@5MP, 15pps@3MP, 30pps@2MP				
Protocol	ONVIF				
Video Compression	H.264 / MJPEG				
Power Over Ethernet(PoE)	IEEE 802.3af compliant				
Operating Temperature	23°F ~ 113°F	-20°F ~ 122°F	-20°F ~ 122°F	-20°F ~ 122°F	-20°F ~ 122°F
Power Consumption	12VDC / 1Amp				

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# SUPER MEGAPIXEL IP CAMERAS WITH FLEXIBLE RESOLUTION ADJUSTMENT



New Convertible  
Design LED Domes

## All Resolution in One IP Camera

1.3MP | 2MP | 3MP | 5MP HD






2.5 Times More Pixels and Larger Coverage



Long Distance  
Heavy Duty Bullets

# EasyNet Network Video Recorders

EasyNet NVR  
Ultra & Pro Series

	EN-P400	EN-P800	EN-U3000
			
	EN-P420, 460	EN-P820, 860	EN-U3020, 3040, 3060, 3080, 3100, 3120
Included IP Channel	Up to 4	Up to 8	Up to 30
Main Monitor Outputs & HD Display Resolution	Main-1: DVI/HDMI, VGA		
Multi-Layer Recording & Streaming	Yes		
Video Compression	H.264 / MJPEG		
Maximum Recording Rate & Resolution Per Channel	15pps @ 2MP		
HDD Bays	3 Internal Bays (Up to 6TB)	3 Internal Bays (Up to 6TB)	<b>6 Removable Bays (Up to 12TB)</b>
HD Local Live & Playback	Yes		
Auto Discovery	Auto Detetion for EasyNet HD Network Cameras		
Licence Fees	None		
Network Port	2x Gbit		
Dimensions (W-D-H)	14.53" x 15.35" x 3.46"	14.53" x 15.35" x 3.46"	17.32" x 17.48" x 6.97"
SW Platform	Easynet (VMS Pro, CMS 2)		
Mobile App	Easynet Touch HD free (iPhone, iPad, Android Phone, Android Tabelets)		

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# EasyNet HD Network Cameras

EasyNet HD  
Domes, Box,  
& Bullets

	EC-2M-D39N	EC-2M-OV39N	EC-2M-F1N	EC-2M-B3N
				
Resolution	2MP (1080p)			
Day/Night Functionality	No	Yes w/ICR	Yes w/ICR	Yes
Lens Type	3 - 9mm (Motorized)	3 - 9mm (Motorized)	C/CS Mount	3.7mm (Fixed)
Remote Focus	Yes	Yes	N/A	N/A
IR LEDs	N/A	24 (Up to 75 ft.)	N/A	20 (Up to 50 ft.)
Compression Method	H.264 / MJPEG			
Frame Rate	Up to 30pps			
Service Monitor Output	Composite			
Audio In / Out	No	1 / 1	1 / 1	No
IP Configurations	Auto IP / Browser / OSD			
Weatherproof rating	Indoor	IP 66	Indoor	IP 66
Power Over Ethernet (PoE)	Built-in (IEEE 802.3af Compliant)			
Alternate Power Input	12VDC	24VAC	12VDC / 24VAC	24VAC
Power Requirement	500mA / 4W	1 Amp / 14W	500mA / 6W	1 Amp / 14W
Operating Temperature	23°F ~ 113°F	-20°F ~ 122°F	23°F ~ 113°F	-20°F ~ 122°F

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\* Asterisk denotes camera models requiring EA-WM100. (Pendant Mount Bracket)

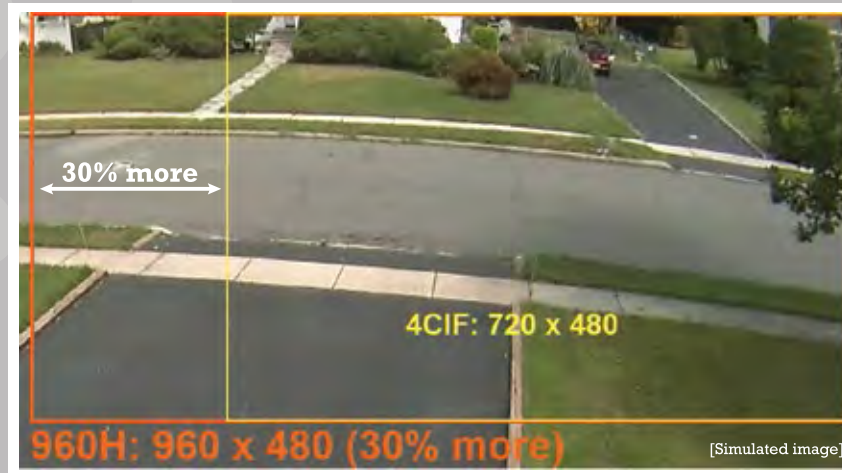
# Entry Level DVRs

960H Digital Video Recorder

	EV2-400	EV2-800	EV2-1600	ED-P400	ED-P800	ED-P1600
						
	EV2-410, 420	EV2-810, 820, 840	EV2-1610, 1620, 1640	ED-P410, 420, 440	ED-P810, 820, 840, 860	ED-P1610, 1620, 1640, 1660
Video Inputs & Loop Outs	4 / 0	8 / 0	16 / 0	4 / 4	8 / 8	16 / 16
Audio Inputs & Outputs		4 / 1		4 / 1	8 / 1 (Optional)	16 / 1
Main Monitor Outputs	Main-1: HDMI, VGA, BNC			Main-1: HDMI, VGA, BNC		
Spot Monitor	Yes			2-BNC (Full / Sequence)		
Maximum Recording Rate & Resolution Per Channel	30pps @ 960H			30pps @ 4CIF		
HDD Bays		1 Internal Bays		1 Internal Bay	3 Internal Bays	3 Internal Bays
Point of Sale Support	N/A			Yes (AVE VSI Pro)		
Power Consumption	12VDC / 2Amp			AC 100 ~ 240V, 50/60Hz, 85W Max, Typical 60W		
Dimensions (W-D-H)	13.5" x 10" x 2.23"	15" x 13.5" x 2.59"	15" x 13.5" x 2.59"	14.53" x 15.35" x 3.46"		
SW Platform	EV (EMS, CMS 2)			Easynet (VMS Pro, CMS 2)		
Mobile App	EV mobile - free (iPhone, iPad, Android Phone, Android Tablets)			Easynet Touch HD - free (iPhone, iPad, Android Phone, Android Tabelets)		

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## Get 30% Better Resolution From Your Analog Recorder With 960H Recording Technology



Wider resolution means more coverage! Get the latest 960H analog recorder and get better Live and Playback picture quality for wide monitors and TVs. NUVICO 960H DVR is fully compatible with all NUVICO 700TVL cameras.





# The Ultimate Parallel Recording Solution

*“Whether you choose NVR’s and HD network cameras or DVR’s and analog cameras, our powerful VMS Pro video management software offers a simple and reliable parallel video recording/management solution, with absolutely NO software license fees!*



## Enterprise DVR

EasyNet DVR  
Ultra Series

	ED-U1600	ED-U3200
		
	ED-U1602, 1604, 1606, 1608, 1610, 1612	ED-U3202, 3204, 3206, 3208, 3210, 3212
Video Inputs & Loop Outs	16 / 16	32 / 32
Audio Inputs & Outputs	16 / 1	
Main Monitor Outputs & Display Resolution	Main-1: DVI/HDMI, VGA, BNC	
Spot Monitor Outputs	2-BNC (Full / Sequence)	
Maximum Recording Rate & Resolution Per Channel	30pps @ 4CIF	30pps @ 2CIF
HDD Bays	<b>6 Removable Bays (Up to 12TB)</b>	
Point Of Sale Support	Yes (AVE VSI Pro)	
Power Consumption	AC 100 ~ 240V, 50/60Hz, 170W Max, Typical 120W	
Dimensions (W-D-H)	17.32" x 17.48" x 6.97"	
SW Platform	Easynet (VMS Pro, CMS 2)	
Mobile App	Easynet Touch HD - free (iPhone, iPad, Android Phone, Android Tablets)	

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# THE NEXT GENERATION CMS2









- True Multi-site HD Software supports up to 1000 Analog and HD Systems
- Compatible with EV2 and Easynet Platforms
- Live, Playback and Remote configuration

## Software / Apps

	VMS Pro	EMS	CMS2	EasyNet Touch HD	EV-Mobile
SW Type	Multisite Software	Multisite Software	Multisite Viewer	Mobile App	Mobile App
Compatible platform	Easynet	EV2, HYDRA HD™	Easynet, EV2, HYDRA HD™	Easynet	EV2, HYDRA HD™
Recorder Type	DVR, NVR	DVR, HYDRA HD™	DVR, NVR, HYDRA HD™	DVR, NVR	DVR, HYDRA HD™
Maximum #of units	1000	1000	1000	10	10
Function	Live, PB, Config Favorite View, Download	Live, PB, Config Favorite View, Download	Live, PB, Config Favorite View	Live, PB, Config Favorite View	Live, PB, Config Favorite View
Compatible OS	PC, MAC	PC, MAC	PC	iPhone, iPad, Android Phone, Android Tablets	iPhone, iPad, Android Phone, Android Tablets
E-mail Alert	Yes	No	Yes	No	No
E-map	Yes	Yes	No	No	No
Price	Free	Free	Free	Free	Free
User Control	Yes	Yes	Yes	No	No






# 960H-Ready 700TVL Analog Cameras

## EasyView Lite Dome Cameras

	CD-H2N	CD-HD2N-L	CD-H21N	CD-HD21N-L	CV-H21N	CV-HD21N-L
						
Horizontal Resolution	700 TV Lines					
Image Sensor	1/3" CCD					
Day/Night Functionality	No	Yes	No	Yes w/ ICR	No	Yes w/ ICR
Lens Type	2.9mm Fixed	2.9mm Fixed	2.8 - 11mm VF	2.8 - 11mm VF	2.8 - 11mm VF	2.8 - 11mm VF
IR LEDs	N/A	30	N/A	24	N/A	30
Illumination Distance	N/A	Up to 50ft.	N/A	Up to 50ft.	N/A	Up to 100ft.
DWDR	N/A	N/A	Yes	Yes	Yes	Yes
Advanced Features	N/A	N/A	HLC, DNR	HLC, DNR, DSS	HLC, DNR	HLC, DNR, DSS
Camera Setup Method	N/A	N/A	OSD	OSD	OSD	OSD
Service Monitor Output	No	No	Yes	Yes	Yes	Yes
Weatherproof rating	Indoor / Plastic	Indoor / Plastic	Indoor / Plastic	Indoor / Plastic	IP66	IP66
Power Requirement	12VDC / 500mA / 4W	12VDC / 1 Amp / 8W	12VDC & 24VAC / 500mA / 4W	12VDC & 24VAC / 1 Amp / 8W	12VDC & 24VAC / 500mA / 4W	12VDC & 24VAC / 1 Amp / 8W
Operating Temperature	23°F ~ 113°F	23°F ~ 113°F	23°F ~ 113°F	23°F ~ 113°F	-20°F ~ 122°F	-20°F ~ 122°F

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## Eyeball, Bullet Cameras

	CE-HD2N-L	CE-HD21N-L	CB-HD2N-L	CB-HDE21N-L	CB-HDE65N-L
					
Resolution	700 TV Lines				
Image Sensor	1/3" CCD				
Day/Night Functionality	Yes	Yes	Yes	Yes w/ ICR	Yes w/ ICR
Lens Type	2.9mm Fixed	2.8 ~ 12mm	2.9mm Fixed	2.8 ~ 12mm	6 ~ 50mm
IR LEDs	24	36	24	42	42
Illumination Distance	Up to 35ft.	Up to 70ft.	Up to 35ft.	Up to 100ft.	Up to 150ft.
Advanced Features	DNR	DNR	DNR	DNR, DSS, DWDR	DNR, DSS, DWDR
Camera Setup Method	N/A	<b>External Adjustment</b>	N/A	<b>External Adjustment</b> / OSD	<b>External Adjustment</b> / OSD
Service Monitor Output	No	No	No	Yes	Yes
Weatherproof rating	IP 66				
Power Consumption	12VDC / 1 Amp / 12W	12VDC / 1 Amp / 12W	12VDC / 1 Amp / 12W	12VDC & 24VAC / 1 Amp / 14W	12VDC & 24VAC / 1 Amp / 14W
Operating Temperature	-20°F ~ 122°F				

CB-JB2



**Description:** Junction Box





**Environment:** Indoor/Outdoor

**Compatible Analog Models:** CB-HDE21N-L, CB-HDE65N-L

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# Hi-Res PTZ System

## EasyTrak PTZ System

	MP-OV22N	SC-S36N	CK-1000	VM-E100
				
Horizontal Resolution	600 TV Lines	550 TV Lines		
Image Sensor	1/4" CCD	1/4" CCD		
Day/Night Functionality	Yes w/ ICR	Yes w/ ICR		
Lens Type	3.9 ~ 85.8mm	3.4 ~ 122.4mm		
Angle of View (H)	49.5° ~ 2.4°	57.8° ~ 1.7°		
Wide Dynamic Range	Yes	Yes		
Zoom Ratio (A/F)	22x Optical / 16x Digital	36x Optical / 12x Digital		
Pan Travel Range	360° Continuous	360° Continuous		
Tilt Travel Range	0°~180°	-5°~185°		
Manual & Turbo (P/T) Speed	0.1° ~ 90°/sec. / 380°/sec.	0.1°~90°/sec. / 360°/sec.		
Preset	120 Positions	240 Positions		
Tour	4	8		
Pattern	4 (200sec)	4 (240sec)		
Auto Pan	4 Scan / 1 Auto Pan	8 Scan / 1 Auto Pan		
Fan and Heater	Built-in	Built-in (Additional 40W power required)		
Power Input & Requirement	24VAC 40VA / 40W	24VAC 40VA / 40W		
Operating Temperature	-40°F ~ 122°F	-40°F ~ 122°F		
			<b>Controller Keyboard</b> <ul style="list-style-type: none"> <li>• Communications: RS-485/422/232</li> <li>• Baud Rates: 2,400 ~ 230,000 bps</li> <li>• 3-Axis Joystick</li> <li>• Supports up to 7 slave keyboards</li> <li>• Control up to 99 DVR</li> <li>• LCD display type</li> <li>• 12VDC power input</li> <li>• 16.1" x 7.3" x 4.4"</li> <li>• Optional CK-JB (Junction Box)</li> </ul>	<b>VGA/Mouse Extender Kit</b> <ul style="list-style-type: none"> <li>• Extends the monitor and mouse control up to 300 ft. (FTP cable with RJ-45 shielded modular plugs)</li> <li>• Supports 1920x1080 resolution over Cat5</li> <li>• Single Cat5 cable for both VGA monitor and mouse transmissions</li> <li>• Phase &amp; Gain adjustments</li> <li>• Mini USB to USB cable included</li> </ul>

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# Accessories

## Camera Accessories

	EA-WM100	EA-JB100	EA-CP100
			
Description	Pendant Mount Bracket	Junction Box	Corner & Pole Mount
Construction & Finish	Aluminum Light Gray Polyester Powder Coat	Aluminum Light Gray Polyester Powder Coat	Aluminum Light Gray Polyester Powder Coat
Environment	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
Compatible Network Models	EC-2M-OV39N HYDRA HD™, Super Resolution 5MP Domes	*EC-2M-OV39N, *HYDRA HD™, *Super Resolution 5MP Domes	*EC-2M-OV39N, *HYDRA HD™, *Super Resolution 5MP Domes
Compatible Analog Models	EasyView 2 Series Domes, EasyView Lite Vandal Domes, MP-OV22N (EasyTrak Mini PTZ)	*EasyView 2 Series Domes, *EasyView Lite Vandal Domes, *MP-OV22N (EasyTrak Mini PTZ), & SC-S36N-PHW (Pendant Mount)	*EasyView 2 Series Domes, *EasyView Lite Vandal Domes, *MP-OV22N (EasyTrak Mini PTZ), & SC-S36N-PHW (Pendant Mount)
Conjunction Accessories	EA-JB100 (Junction Box), EA-CP100 (Corner & Pole Mount)	EA-WM100 (Pendant Mount Bracket), EA-CP100 (Corner & Pole Mount)	EA-JB100 (Junction Box), EA-WM100 (Pendant Mount Bracket)

\* Asterisk denotes camera models requiring EA-WM100 (Pendant Mount Bracket) to mount.

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"Nuvico surveillance equipment is designed to be installed  
and serviced only by trained, state-licensed, professional installers."



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