






# Ultra Low Light IP Camera






Model				
	NCi-221	NCo-221-VHR	NCb-221	NCr-221-VHR
<b>Camera</b>				
Image Sensor	Sony 1/1.9" Exmor image sensor	Sony 1/1.9" Exmor image sensor	Sony 1/1.9" Exmor image sensor	Sony 1/1.9" Exmor image sensor
Min. lux	B/W 0 lux / Color 0.05 lux	B/W 0 lux / Color 0.05 lux	B/W 0.005 lux / Color 0.05 lux	B/W 0 lux / Color 0.05 lux
Lens	Varifocal (3-9mm, F1.2)	Motorized (3-9mm, F1.2)	CS mount	Motorized (3-9mm, F1.2)
Iris Type	P-Iris	P-Iris	DC-Iris	P-Iris
Day and Night	Yes	Yes	Yes	Yes
IR Distance	N/A	Effective up to 25 meter/82 feet	N/A	Effective up to 30 meter/98.4 feet
IR Control	N/A	Smart IR	N/A	Smart IR
ICR	Yes	Yes	Yes	Yes
WDR	DWDR	DWDR	DWDR	DWDR
<b>Video</b>				
Video Compression	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG
Video Streaming	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3
Video Quality	VBR/CBR	VBR/CBR	VBR/CBR	VBR/CBR
Frame Rate	1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	1920x1080 @60 fps 1280x720 @60 fps 720x576 @60 fps 720x480 @60 fps 640x480 @60 fps 320x240 @60 fps	1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps
<b>Network</b>				
Interface	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45
<b>I/O Connector</b>				
Audio in/ out Port	N/A	Terminal block 1 in/ 1out	3.5 mm phone jack x2	3.5 mm phone jack x2
D I/O	Dlx1,DOx1	Dlx1,DOx1	Dlx1,DOx1	Dlx1,DOx1
Micro SD Slot	Yes	Yes	Yes	Yes
<b>Power</b>				
DC/AC	DC 12V terminal block	DC 12V/AC 24V terminal block	DC 12V/AC 24V terminal block	DC 12V/AC 24V terminal block
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
<b>General</b>				
Operating Temp.	0°C~60°C/ 32°F ~140°F	-40°C~60°C/ -40°F ~140°F	-20°C~60°C/ -4°F ~140°F	-40°C~60°C/ -40°F ~140°F
Humidity	90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)
Certification	CE/FCC	CE/FCC	CE/FCC	CE/FCC
Vandal Resistant	N/A	IK10	N/A	IK10
Weather Proof	N/A	IP66, built-in heater	with housing	IP66 & IP67, built-in heater

## X86 Syskam


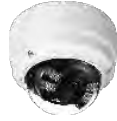



Model	
	<b>NCK-251</b>
<b>Camera</b>	
CPU	Intel® E3845(Quad Core) Processor
Image Sensor	1/2.7" Progressive Scan CMOS Sensor
Min. LUX	B/W 0.05 lux Color 0.5 lux
Lens	C / CS Mount
Day and Night	Yes (with ICR)
IR Distance	N/A
IR Control	N/A
ICR	Yes
WDR	N/A
<b>Video</b>	
Video Compression	H.264/M-JPEG
Video Stream	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3
Video Quality	VBR/CBR
Frame Rate	1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps
<b>Network</b>	
Interface	10/100/1000 Mbps Ethernet, RJ-45
<b>I/O Connector</b>	
Audio in/out Port	3.5mm phone jack x2
DI/DO	Dix1, DOx1
Others	RS485X1, RS232X1, USBX2, HDMI X1, Reset ButtonX1
Storage	mSATA x 1, 2.5" SSD/ HDD x 1 (optional)
<b>Power</b>	
DC/AC	DC 12V/AC24V Terminal block
<b>General</b>	
Operation Temp	-20°C ~ 60°C/ -4°F ~ 140°F
Humidity	90% RH (no Condensation)
Certification	CE/FCC
Power Consumption	up to 22W







## 2 Megapixels IP Camera

Model		
	<b>NCo-201-VHR</b>	<b>NCm-201-V</b>
<b>Camera</b>		
Image Sensor	1/3" True WDR progressive scan CMOS sensor	1/3" True WDR progressive scan CMOS sensor
Min. lux	B/W 0 lux / Color 0.1 lux	B/W 0.05 lux / Color 0.1 lux
Lens	Motorized (3-10mm, F1.4)	Fixed Lens 3.6 mm F1.8 (2.8mm optional)
Iris Type	P-Iris	Fixed Iris
Day and Night	Yes	Yes
IR Distance	Effective up to 30 meter/82 feet	N/A
IR Control	Smart IR	N/A
ICR	Yes	N/A
WDR	True WDR 100dB	True WDR 100dB
<b>Video</b>		
Video Compression	H.264 / M-JPEG	H.264 / M-JPEG
Video Streaming	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3
Video Quality	VBR/CBR	VBR/CBR
Frame Rate	1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps
<b>Network</b>		
Interface	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45 (M12 Connector optional)
<b>I/O Connector</b>		
Audio in/ out Port	Terminal block 1 in/ 1out	N/A
D I/O	Dix1, DOx1	N/A
Micro SD Slot	Yes	Yes
<b>Power</b>		
DC/AC	DC 12V/AC 24V terminal block	N/A
PoE	IEEE 802.3af	IEEE 802.3af
<b>General</b>		
Operating Temp.	-40°C~60°C/ -40°F ~140°F	-40°C~60°C/ -40°F ~140°F
Humidity	90% RH (no condensation)	90% RH (no condensation)
Certification	CE/FCC	CE/FCC/EN-50155
Vandal Resistant	IK10	IK10
Weather Proof	IP66 & IP67, built-in heater	IP67

				
NCi-211-R	NCi-211	NCi-212	NCb-211	NCR-212-OVR
1/3" progressive scan CMOS sensor	1/3" progressive scan CMOS sensor	1/3" progressive scan CMOS sensor	1/3" progressive scan CMOS sensor	1/3" progressive scan CMOS sensor
B/W 0 lux / Color 0.1 lux	B/W 0.01 lux / Color 0.1 lux	B/W 0.05 lux / Color 0.1 lux	B/W 0.05 lux / Color 0.1 lux	B/W 0 lux / Color 0.1 lux
Varifocal (3-10mm, F1.3)	Varifocal (3-10mm, F1.3)	Fixed Lens 3.6 mm F1.8 (2.8mm optional)	CS mount	Fixed Lens 3.6 mm F1.8 (4.2/6.0mm optional)
DC-Iris	DC-Iris	Fixed Iris	DC-Iris	Fixed Iris
Yes	Yes	Yes	Yes	Yes
Effective up to 15 meter/49.2 feet	N/A	N/A	N/A	Effective up to 25 meter/82 feet
Smart IR	N/A	N/A	N/A	Smart IR
Yes	Yes	N/A	Yes	Yes
DWDR	DWDR	DWDR	DWDR	DWDR
H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG
Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3
VBR/CBR	VBR/CBR	VBR/CBR	VBR/CBR	VBR/CBR
1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps
10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45
N/A	N/A	N/A	3.5 mm phone jack x2	N/A
Dlx1, DOx1	Dlx1, DOx1	Dlx1, DOx1	Dlx1, DOx1	N/A
Yes	Yes	Yes	Yes	N/A
DC 12V terminal block	DC 12V terminal block	DC 12V terminal block	DC 12V/AC 24V terminal block	N/A
IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
0°C~60°C/ 32°F ~140°F	0°C~60°C/ 32°F ~140°F	0°C~60°C/ 32°F ~140°F	-20°C~60°C/ -4°F ~140°F	-20°C~60°C/ -4°F ~140°F
90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)
CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	with housing	IP67

## 3 Megapixels IP Camera

Model					
	NCi-301-V	NCo-301-VHR	NCr-302-VHR	NCr-303-VHR	NCb-301
<b>Camera</b>					
Image Sensor	1/3" 3MP True WDR progressive scan CMOS sensor	1/3" 3MP True WDR progressive scan CMOS sensor	1/3" 3MP True WDR progressive scan CMOS sensor	1/3" 3MP True WDR progressive scan CMOS sensor	1/3" 3MP True WDR progressive scan CMOS sensor
Min. lux	B/W 0.01 lux / Color 0.1 lux	B/W 0 lux / Color 0.1 lux	B/W 0 lux / Color 0.1 lux	B/W 0 lux / Color 0.1 lux	B/W 0.01 lux / Color 0.1 lux
Lens	Motorized (3-10mm, F1.4)	Motorized (3-10mm, F1.4)	Motorized (3-10mm, F1.4)	Motorized (9-22mm, F1.5)	Motorized (3-10mm, F1.4)
Iris Type	P-Iris	P-Iris	P-Iris	P-Iris	P-Iris
Day and Night	Yes	Yes	Yes	Yes	Yes
IR Distance	N/A	Effective up to 25 meter/82 feet	Effective up to 30 meter/98.4 feet	Effective up to 50 meter/164 feet	N/A
IR Control	N/A	Smart IR	Smart IR	Smart IR	N/A
ICR	Yes	Yes	Yes	Yes	Yes
WDR	True WDR 100dB	True WDR 100dB	True WDR 100dB	True WDR 100dB	True WDR 100dB
<b>Video</b>					
Video Compression	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG
Video Streaming	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3
Video Quality	VBR/CBR	VBR/CBR	VBR/CBR	VBR/CBR	VBR/CBR
Frame Rate	2048x1536 @30 fps 1920x1080 @60 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	2048x1536 @30 fps 1920x1080 @60 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	2048x1536 @30 fps 1920x1080 @60 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	2048x1536 @30 fps 1920x1080 @60 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	2048x1536 @30 fps 1920x1080 @60 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps
<b>Network</b>					
Interface	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45
<b>I/O Connector</b>					
Audio in/ out Port	Terminal block 1 in/ 1out	Terminal block 1 in/ 1out	3.5 mm phone jack x2	3.5 mm phone jack x2	3.5 mm phone jack x2
D I/O	D1x1,DOx1	D1x1,DOx1	D1x1,DOx1	D1x1,DOx1	D1x1,DOx1
Micro SD Slot	Yes	Yes	Yes	Yes	Yes
<b>Power</b>					
DC/AC	DC 12V/AC 24V terminal block	DC 12V/AC 24V terminal block	DC 12V/AC 24V terminal block	DC 12V/AC 24V terminal block	DC 12V/AC 24V terminal block
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3at (PoE+)	IEEE 802.3at (PoE+)	IEEE 802.3at (PoE+)
<b>General</b>					
Operating Temp.	0°C~60°C/ 32°F ~140°F	-40°C~60°C/ -40°F ~140°F	-40°C~60°C/ -40°F ~140°F	-40°C~60°C/ -40°F ~140°F	-20°C~60°C/ -4°F ~140°F
Humidity	90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)
Certification	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC
Vandal Resistant	IK10	IK10	IK10	IK10	N/A
Weather Proof	N/A	IP66, built-in heater	IP66 & IP67, built-in heater	IP66 & IP67, built-in heater	with housing

					
NCm-301-V	NCi-311-R	NCi-311	NCi-312	NCb-311	NCr-312-OVR
1/3" 3MP True WDR progressive scan CMOS sensor	1/3" 3MP progressive scan CMOS sensor	1/3" 3MP progressive scan CMOS sensor	1/3" 3MP progressive scan CMOS sensor	1/3" 3MP progressive scan CMOS sensor	1/3" 3MP progressive scan CMOS sensor
B/W 0.05 lux / Color 0.1 lux	B/W 0 lux / Color 0.1 lux	B/W 0.01 lux / Color 0.1 lux	B/W 0.05 lux / Color 0.1 lux	B/W 0.01 lux / Color 0.1 lux	B/W 0 lux / Color 0.1 lux
Fixed Lens 3.6 mm F1.8 (2.8mm optional)	Varifocal (3-10mm, F1.3)	Varifocal (3-10mm, F1.3)	Fixed Lens 3.6 mm F1.8 (2.8mm optional)	CS mount	Fixed Lens 3.6 mm F1.8 (4.2/6.0mm optional)
Fixed Iris	DC-Iris	DC-Iris	Fixed Iris	DC-Iris	Fixed Iris
Yes	Yes	Yes	Yes	Yes	Yes
N/A	Effective up to 15 meter/49.2 feet	N/A	N/A	N/A	Effective up to 25 meter/82 feet
N/A	Smart IR	N/A	N/A	N/A	Smart IR
N/A	Yes	Yes	N/A	Yes	Yes
True WDR 100dB	DWDR	DWDR	DWDR	DWDR	DWDR
H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG	H.264 / M-JPEG
Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3	Triple streaming H.264 Stream 1/ H.264 Stream2/ MJPEG Stream 3
VBR/CBR	VBR/CBR	VBR/CBR	VBR/CBR	VBR/CBR	VBR/CBR
2048x1536 @20 fps 1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	2048x1536 @20 fps 1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	2048x1536 @20 fps 1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	2048x1536 @20 fps 1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	2048x1536 @20 fps 1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps	2048x1536 @20 fps 1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps
10/100/1000 Mbps Ethernet, RJ-45 (M12 Connector optional)	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45	10/100/1000 Mbps Ethernet, RJ-45
N/A	N/A	N/A	N/A	3.5 mm phone jack x2	N/A
N/A	Dlx1,DOx1	Dlx1,DOx1	Dlx1,DOx1	Dlx1,DOx1	N/A
Yes	Yes	Yes	Yes	Yes	N/A
N/A	DC 12V terminal block	DC 12V terminal block	DC 12V terminal block	DC 12V/AC 24V terminal block	N/A
IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
-40°C~60°C/ -40°F~140°F	0°C~60°C/ 32°F~140°F	0°C~60°C/ 32°F~140°F	0°C~60°C/ 32°F~140°F	-20°C~60°C/ -4°F~140°F	-20°C~60°C/ -4°F~140°F
90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)	90% RH (no condensation)
CE/FCC/EN-50155	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC
IK10	N/A	N/A	N/A	N/A	N/A
IP67	N/A	N/A	N/A	with housing	IP67