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Dahua 4K Ultra HD cameras delivers four times the resolution of standard HD cameras and offers superior picture quality and image details. 4K cameras replace multiple single-sensor cameras providing easier installation and a higher return on investment. This Quick Guide presents the specifications for all components necessary to create your own 4K network surveillance system from Dahua.

4K IP Solution Guide

NETWORK CAMERAS			
<p>N84BB14</p>  <p>UltraSeries</p> <p>8MP IR Fixed Bullet</p> <ul style="list-style-type: none"> • 1/2.5-in. 4K CMOS • 4K (8MP) at 15 fps or 3MP at 30 fps • 4.0 mm Fixed Lens • Triple-stream Encoding • Smart H.265+, H.265, Smart H.264+, H.264 • True Day/Night • Digital Wide Dynamic Range • Maximum IR Distance 40 m (131 ft) • Intelligent Video System with Facial Detection and Heat Map • IP67 	<p>N84BL44</p>  <p>UltraSeries</p> <p>8MP IR Fixed Dome</p> <ul style="list-style-type: none"> • 1/2.5-in. 4K CMOS • 4K (8MP) at 15 fps or 3MP at 30 fps • 4.0 mm Fixed Lens • Triple-stream Encoding • Smart H.265+, H.265, Smart H.264+, H.264 • True Day/Night • Digital Wide Dynamic Range • Maximum IR Distance 30 m (98 ft) • Intelligent Video System with Facial Detection and Heat Map • IP67 and IK10 	<p>N84BG44</p>  <p>UltraSeries</p> <p>8MP IR Fixed Eyeball</p> <ul style="list-style-type: none"> • 1/2.5-in. 4K CMOS • 4K (8MP) at 15 fps or 3MP at 30 fps • 4.0 mm Fixed Lens • Triple-stream Encoding • Smart H.265+, H.265, Smart H.264+, H.264 • True Day/Night • Digital Wide Dynamic Range • Maximum IR Distance 50 m (164 ft) • Intelligent Video System with Facial Detection and Heat Map • IP67 	<p>DH-IPC-HF8835FN</p>  <p>UltraSeries *lens sold separately</p> <p>4K Starlight+ Box</p> <ul style="list-style-type: none"> • Micro Four Thirds 4K CMOS • Triple-stream Encoding • Smart H.265+, H.265, Smart H.264+, H.264 • Starlight+ Technology for Ultra-low Light • 4K (8MP) at 30 fps Maximum Resolution • M43 Lens Interface • True Day/Night • Ultra-Wide Dynamic Range (140 dB) • Intelligent Video System with Facial Detection and Heat Map
<p>NK8BA4</p>  <p>UltraSeries *lens sold separately</p> <p>12MP True Day/Night Box</p> <ul style="list-style-type: none"> • 1/1.7-in. 12MP STARVIS™ CMOS • 12MP at 20 fps or 4K at 30 fps • Triple-stream Encoding • Smart H.265+, H.265, Smart H.264+, H.264 • CS Lens Mount • True Day/Night • Digital Wide Dynamic Range • Intelligent Video System with Facial Detection and Heat Map 	<p>NK8BB7Z</p>  <p>UltraSeries</p> <p>12MP IR Vari-focal Bullet</p> <ul style="list-style-type: none"> • 1/1.7-in. 12MP STARVIS™ CMOS • 12MP at 20 fps or 4K at 30 fps • 4.1 mm to 16.5 mm Motorized Lens • Triple-stream Encoding • Smart H.265+, H.265, Smart H.264+, H.264 • True Day/Night • Digital Wide Dynamic Range • Maximum IR Distance 50 m (164 ft) • Intelligent Video System with Facial Detection and Heat Map • IP67 and IK10 	<p>NK8BL7Z</p>  <p>UltraSeries</p> <p>12MP IR Vari-focal Dome</p> <ul style="list-style-type: none"> • 1/1.7-in. 12MP STARVIS™ CMOS • 12MP at 20 fps or 4K at 30 fps • 4.1 mm to 16.5 mm Motorized Lens • Triple-stream Encoding • Smart H.265+, H.265, Smart H.264+, H.264 • True Day/Night • Digital Wide Dynamic Range • Maximum IR Distance 50 m (164 ft) • Intelligent Video System with Facial Detection and Heat Map • IP67 and IK10 	<p>6AE830VNI</p>  <p>UltraSeries</p> <p>8MP 30x IR PTZ Dome</p> <ul style="list-style-type: none"> • 1/1.7-in. 4K STARVIS™ CMOS • 4K at 30 fps • 6 mm to 180 mm Motorized Lens • 30x Optical Zoom • Triple-stream Encoding • Smart H.265+, H.265, Smart H.264+, H.264 • True Day/Night • Digital Wide Dynamic Range • Maximum IR Distance 200 m (656 ft) • Intelligent Video System with Auto-tracking • IP67 and IK10
DISPLAY		NETWORK VIDEO RECORDERS (NVRs)	
<p>DHL49-4K</p>  <p>4K ULTRAHD</p> <p>49-in. 4K LCD</p> <ul style="list-style-type: none"> • 4K (3840 x 2160) Ultra HD Resolution • Industrial-grade DID LCD panel • High-fidelity Digital Signal Processing • Built-in 3D Comb Filter and 3D Noise Reduction • 8 ms Response Time, No Image Ghosting • 16.7M Color Reproduction for Superior Video • Tamper-proof metal housing, No Radiation • Professional Thermal Design for Extended Lifespan • Built-in Power and Low Energy Consumption • Supports HDMI, DVI, VGA, CVBS, and USB Video Inputs 	<p>DHI-NVR52A08-8P-4KS2</p>  <p>4K ULTRAHD</p> <p>32CH 2U NVR</p> <ul style="list-style-type: none"> • H.265, H.264, MJPEG, MPEG4 Decoding • Maximum 320 Mbps Incoming Bandwidth • Up to 12MP Resolution Preview and Playback • iVS Recording on all IP Channels • HDMI/VGA Simultaneous Video Output • 3D Intelligent Positioning with Dahua PTZ Cameras • 8 PoE Ports 	<p>DHI-NVR6A08-32-4KS2</p>  <p>4K ULTRAHD</p> <p>24CH 1.5U NVR</p> <ul style="list-style-type: none"> • H.265, H.264, MJPEG • Maximum 32 IP Camera Inputs with iVS Recording • Maximum 384 Mbps Incoming Bandwidth • Up to 12MP Resolution for Preview and Playback • Supports RAID 0/1/5/6/10 • iSCSI for Expanded Storage Space • Smart Tracking • Intelligent Video System with Business Analytics (two IP channels) 	<p>DHI-NVR52A16-16P-4KS2</p>  <p>4K ULTRAHD</p> <p>16CH 1U NVR</p> <ul style="list-style-type: none"> • H.265, H.264, MJPEG, MPEG4 Decoding • Maximum 320 Mbps Incoming Bandwidth • Up to 12MP Resolution Preview and Playback • Supports IPC UPnP • 16 PoE Ports • iVS Recording on all IP Channels • HDMI/VGA Simultaneous Video Output • 3D Intelligent Positioning with Dahua PTZ Camera
LENS			
<p>DH-PFL085-J12M</p>  <p>12MP 8.5 mm Fixed Lens</p> <ul style="list-style-type: none"> • Micro Four Thirds 12MP Lens • 8.5 mm Fixed Lens • (35 mm equivalent: 17 mm; 1/3-in. equivalent: 2 mm) • Compatible with DH-IPC-HF8835FN 	<p>DH-PLZ20C0-D</p>  <p>12MP 3.7 mm to 16 mm Lens</p> <ul style="list-style-type: none"> • 1/1.7-in. Image Format • 3.7 mm to 16 mm Vari-focal Lens • IR Correction • CS Mount • Compatible with NK8BA4 	<p>DH-PLZ21C0-D</p>  <p>12MP 10.5 mm to 42 mm Lens</p> <ul style="list-style-type: none"> • 1/1.7-in. Image Format • 10.5 mm to 42 mm Vari-focal Lens • IR Correction • CS Mount • Compatible with NK8BA4 	

ACCESSORIES				
PFB604W	PFB121W	PFB110W	PFB303W	PFB203W
				
Wall Mount Bracket	Wall Mount Bracket	Wall/Ceiling Mount Bracket	Waterproof Wall Mount Bracket	Waterproof Wall Mount Bracket
PFB302S	PFB300C	PFA151	PFB201C	PFB204W
				
Wall Mount Bracket with Junction Box	Ceiling Mount Bracket	Corner Mount	In-ceiling Mount Bracket	Waterproof Wall Mount Bracket
PFA111	PFA101	PFA121	DH-PFH610V	PFA150
				
Mount Adapter	Mount Adapter	Junction Box	Vandal-proof Housing	Pole Mount Bracket
PFA152-E	PFA139	PFA138	PFA136	PFB303S
				
Pole Mount Bracket	Waterproof Junction Box	Waterproof Junction Box	Waterproof Junction Box	Parapet Mount Bracket
PFM321	PFM320	PFM906	PFM113	DH-PFS3206-4P-120
				
12 VDC, 1 A Power Adapter	12 VDC, 2 A Power Adapter	Integrated Mount Tester	128 GB Micro SD Card	4 Port Layer 2 PoE Switch
<ul style="list-style-type: none"> • N84BB14 • N84BL44 • N84BG44 • DH-IPC-HF8835FN • NK8BA4 	<ul style="list-style-type: none"> • NK8BB7Z • NK8BL7Z 	<ul style="list-style-type: none"> • 7-in. IPS HD Capacitive Touch Screen, 1920 x 1200 Resolution • Supports IP, HDCVI, AHD, TVI, CVBS, and SDI Formats • HDMI Input and Output 	<ul style="list-style-type: none"> • All IP cameras on this guide offer an SD Card Slot up to 128 GB 	<ul style="list-style-type: none"> • Supports PoE/PoE+/Hi-PoE • Unmanaged PoE Switch • Two (2) 1000 Base-X • One (1) 10/100/1000 Base-T (Hi-PoE / PoE+ / PoE) • Three (3) 10/100 Base-T (PoE+ / PoE)

NETWORK MOUNTING APPLICATIONS						
MODEL	Wall Mount	Ceiling Mount	Pole Mount	Corner Mount	Parapet Mount	In-ceiling Mount
N84BB14	PFA121	N/A	PFA121 + PFA152-E	PFA121 + PFA151	N/A	N/A
NK8BB7Z	PFA121	N/A	PFA121 + PFA152-E	PFA121 + PFA151	N/A	N/A
N84BL44	PFB203W	PFA136	PFB203W + PFA152-E	N/A	N/A	N/A
NK8BL7Z	PFB302S	PFA101 + PFB300C or PFA138 (included)	PFA101 + PFB302S + PFA152-E	N/A	N/A	PFB201C
N84BG44	PFB204W	PFA139	PFB204W + PFA152-E	N/A	N/A	N/A
DH-IPC-HF8835FN	DH-PFH610V + PFB604W	PFB110W	PFB121W + PFA121 + PFA152-E	PFA121W + PFA121 + PFA151	N/A	N/A
NK8BA4	DH-PFH610V + PFB604W	PFB110W	PFB121W + PFA121 + PFA152-E	PFA121W + PFA121 + PFA151	N/A	N/A
6AE830VNI	PFA111 + PFB303W	PFA111 + PFB300C	PFA111 + PFB303W + PFA150	PFA111 + PFB303W + PFA151	PFA111 + PFB303S	N/A