

Avigilon™ HD Pro Camera Lens Compatibility



		4K — 5K H4PRO-B HD Pro Camera with Self-Learning Video Analytics	6K — 7K H4PRO-B HD Pro Camera with LightCatcher™ Technology
Canon 24mm f1.4L, Auto-Iris	Highest image quality available, excellent in low light	✓	✓
Canon 28mm f1.8, Auto-Iris	Highest image quality, good in low light, excellent value	✓	✓
Sigma 30mm f1.4, Auto-Iris	Highest image quality available, excellent in low light	✓ [§]	
Canon 35mm f1.4L, Auto-Iris	Highest image quality available, excellent in low light	✓	✓
Canon, 35mm f2.0, Auto-Iris	Good image quality, excellent value	✓ [§]	✓ [§]
Canon 40mm f2.8, Auto-Iris	Good image quality, excellent value	✓	✓
Canon 50mm f1.2L, Auto-Iris	Highest image quality available, excellent in low light	✓ [§]	✓ [§]
Canon 50mm f1.4, Auto-Iris	Good image quality, excellent in low light, excellent value	✓	✓
Canon 50mm f1.8, Auto-Iris	Good image quality, good in low light, excellent value	✓	✓
Canon 85mm f1.2L, Auto-Iris	Highest image quality available, excellent in low light	✓	✓
Canon 85mm f1.8, Auto-Iris	Good image quality, good in low light, excellent value	✓	✓
Canon 100mm f2.0, Auto-Iris	Good image quality	✓	✓
Canon 200mm f2.8L, Auto-Iris	Good image quality	✓	✓
Canon 16-35mm f2.8L, Auto-Iris, Vari Focal	Highest image quality available	✓ [§]	✓ [§]
Sigma 18-35mm f1.8, Auto-Iris, Vari Focal	Highest image quality available, excellent in low light	✓	
** Sigma 17-50mm f2.8 OS, Auto-Iris, Vari Focal	Good image quality	✓	
** Tamron 24-70mm VC f2.8, Auto-Iris, Vari Focal	Highest image quality available	✓	✓
† Canon 70-200mm f2.8L, Auto-Iris, Vari Focal	Highest image quality available	✓	✓
** Canon 70-300mm f4-5.6 IS, Auto-Iris, Vari Focal	Good image quality available, excellent value	✓ [†]	✓ [†]
** † Canon 100-400mm f4.5-5.6L IS II, Auto-Iris, Vari Focal	Highest image quality available	✓ [†] [§]	✓ [†] [§]

** Includes image stabilization

† Includes tripod collar. Use this mounting point when installing.

‡ Not recommended for low light

§ Requires auxiliary power

¹For more information about the lenses, see:

www.canon.com

www.sigma-global.com

www.tokinale.com

www.tamron.com

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Avigilon H4 HD Camera and Enclosure Compatibility



H4A-B HD Day/Night Camera with Self-Learning Video Analytics



ES-HD-HWS-SM Outdoor HD Small Enclosure with Heater

LENS OPTIONS	ANGLE OF VIEW LENS ONLY ¹	ANGLE OF VIEW WITH ENCLOSURE	COMPATIBILITY
4.6–84.7 mm (1-2 MP)	3.3° - 55°	3.3° - 55°	✓
4.6–84.7 mm (3 MP)	3.5° - 59°	3.5° - 59°	✓
3–9 mm (1-2 MP)	30° - 91°	30° - 91°	✓
3–9 mm (3 MP)	32° - 98°	32° - 70°	○
4.3–8 mm (5 MP)	46° - 86°	46° - 70°	○
4.3–8 mm (8 MP)	44° - 81°	44° - 70°	○
9–22mm (1-2 MP)	14° - 29°	14° - 29°	✓
9–22mm (3 MP)	15° - 31°	15° - 31°	✓



H4A-B HD Day/Night Camera with Self-Learning Video Analytics



ES-HD-HWS or ES-HD-CWS Outdoor HD Enclosure with Heater or Cooling Fan (optional ES-HD-IPM PoE module)

LENS OPTIONS	ANGLE OF VIEW LENS ONLY ¹	ANGLE OF VIEW WITH ENCLOSURE	COMPATIBILITY
4.6–84.7 mm (1-2 MP)	3.5° - 55°	3.5° - 55°	○
4.6–84.7 mm (3 MP)	3.5° - 59°	3.5° - 59°	○
3–9 mm (1-2 MP)	30° - 91°	30° - 91°	○
3–9 mm (3 MP)	32° - 98°	32° - 98°	✓
4.3–8 mm (5 MP)	46° - 86°	46° - 86°	○
4.3–8 mm (8 MP)	44° - 81°	44° - 81°	○
9–22mm (1-2 MP)	14° - 29°	14° - 29°	○
9–22mm (3 MP)	15° - 31°	15° - 31°	○



H4A-B HD Day/Night Camera with Self-Learning Video Analytics



ES-HD-HWS-LG or ES-HD-CWS-LG Outdoor HD Large Enclosure with Heater or Cooling Fan (optional ES-HD-IPM PoE module)

LENS OPTIONS	ANGLE OF VIEW LENS ONLY ¹	ANGLE OF VIEW WITH ENCLOSURE	COMPATIBILITY
4.6–84.7 mm (1-2 MP)	3.5° - 55°	3.5° - 55°	○
4.6–84.7 mm (3 MP)	3.5° - 59°	3.5° - 59°	○
3–9 mm (1-2 MP)	30° - 91°	30° - 91°	○
3–9 mm (3 MP)	32° - 98°	32° - 98°	○
4.3–8 mm (5 MP)	46° - 86°	46° - 86°	○
4.3–8 mm (8 MP)	44° - 81°	44° - 81°	○
9–22mm (1-2 MP)	14° - 29°	14° - 29°	○
9–22mm (3 MP)	15° - 31°	15° - 31°	○

○ Compatible

✓ Recommended

¹Specifications subject to change without notice.

Avigilon Legacy H.264 HD Pro Camera Lens and Enclosure Compatibility



H4PRO-B
HD Pro Camera with
LightCatcher Technology



ES-HD-HWS-SM
Outdoor HD
Small Enclosure
with Heater



ES-HD-HWS
Outdoor HD Enclosure
with Heater (optional
ES-HD-IPM PoE module)



ES-HD-HWS-LG
Outdoor HD Large Enclosure
with Heater (optional
ES-HD-IPM PoE module)



ES-HD-HS-XL
Outdoor HD
X-Large Enclosure

4-5K Pro Horizontal
Field of View

6K & 7K Pro Horizontal
Field of View

	4-5K Pro Horizontal Field of View	6K & 7K Pro Horizontal Field of View	ES-HD-HWS-SM Outdoor HD Small Enclosure with Heater	ES-HD-HWS Outdoor HD Enclosure with Heater (optional ES-HD-IPM PoE module)	ES-HD-CWS Outdoor HD Enclosure with Cooling Fan (optional ES-HD-IPM PoE module)	ES-HD-HWS-LG Outdoor HD Large Enclosure with Heater (optional ES-HD-IPM PoE module)	ES-HD-CWS-LG Outdoor HD Large Enclosure with Cooling Fan (optional ES-HD-IPM PoE module)	ES-HD-HS-XL Outdoor HD X-Large Enclosure
Canon 24mm f1.4L	52.4°	73.6°				○	✓	
Canon 28mm f1.8	45.7°	65.3°		○*	✓*	○	✓	
Sigma 30mm f1.4	42.9°	n/a	○	○	✓			
Canon 35mm f1.4L	37.3°	54.3°		○*	✓*	○	✓	
Canon 40mm f2.8	32.9°	48.3°	○	○	✓			
Canon 50mm f1.2L	26.6°	39.5°				○	✓	
Canon 50mm f1.4	26.6°	39.5°		○*	✓*	○	✓	
Canon 50mm f1.8	26.6°	39.5°	○	○	✓			
Canon 85mm f1.2L	15.8°	23.8°				○*	✓*	
Canon 85mm f1.8	15.8°	23.8°		○	✓			
Canon 100mm f2	13.5°	20.4°		○*	✓*	○	✓	
Canon 200mm f2.8L	6.8°	10.3°				○	✓	
Canon 16-35mm f2.8L	37.3° - 72.8°	54.3° - 96.6°				○	✓	
Sigma 18-35mm f1.8	37.3° - 66.5°	n/a				○	✓	
** Sigma 17-50mm f2.8 OS	26.6° - 69.5°	n/a		○*	✓*	○	✓	
** Tamron 24-70mm VC f2.8	19.1° - 52.4°	28.8° - 73.6°				○	✓	
† Canon 70-200mm f2.8L	6.8° - 19.1°	10.3° - 28.8°				○*	✓*	
** Canon 70-300mm f4-5.6 IS	4.5° - 19.1°	6.8° - 28.8°				○	✓	
** † Canon 100-400mm f4.5-5.6L IS II	3.4° - 13.5°	5.1° - 20.4°						✓

○ Compatible ✓ Recommended

* Except when the optional PoE Module Accessory (ES-HD-IPM) is installed.

** Includes image stabilization

† Includes tripod collar. Use this mounting point when installing.

¹For more information about the lenses, see:

www.canon.com

www.sigma-global.com

www.tokinalens.com

www.tamron.com

AVIGILON™

Avigilon Legacy H.264 HD Camera and Enclosure Compatibility



H3-B
H.264 HD Day/Night Camera



ES-HD-HWS-SM
Outdoor HD Small Enclosure
with Heater



ES-HD-HWS
Outdoor HD Enclosure
with Heater
(optional ES-HD-IPM PoE module)

ES-HD-CWS
Outdoor HD Enclosure
with Cooling Fan
(optional ES-HD-IPM PoE module)



ES-HD-HWS-LG
Outdoor HD Large Enclosure
with Heater
(optional ES-HD-IPM PoE module)

ES-HD-CWS-LG
Outdoor HD Large Enclosure
with Cooling Fan
(optional ES-HD-IPM PoE module)



ES-HD-HS-XL
Outdoor HD X-Large Enclosure

	ES-HD-HWS-SM Outdoor HD Small Enclosure with Heater	ES-HD-HWS Outdoor HD Enclosure with Heater (optional ES-HD-IPM PoE module)	ES-HD-CWS Outdoor HD Enclosure with Cooling Fan (optional ES-HD-IPM PoE module)	ES-HD-HWS-LG Outdoor HD Large Enclosure with Heater (optional ES-HD-IPM PoE module)	ES-HD-CWS-LG Outdoor HD Large Enclosure with Cooling Fan (optional ES-HD-IPM PoE module)	ES-HD-HS-XL Outdoor HD X-Large Enclosure
4.7-84.6mm (3° - 52°)	✓	○	○			
3-9mm (1-2MP: 35° - 98°; 3-5MP: 28° - 84°)	✓	○	○			
9-22mm (1-2MP: 15° - 35°; 3-5MP: 12° - 28°)	✓	○	○			

○ Compatible ✓ Recommended