

# 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	✓ <sup>§</sup>	
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	✓ <sup>§</sup>	✓ <sup>§</sup>
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	✓ <sup>§</sup>	✓ <sup>§</sup>
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	✓ <sup>§</sup>	✓ <sup>§</sup>
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

<sup>1</sup> For more information about the lenses, see:

[www.canon.com](http://www.canon.com)

[www.sigma-global.com](http://www.sigma-global.com)

[www.tokinallens.com](http://www.tokinallens.com)

[www.tamron.com](http://www.tamron.com)

**avigilon™**

# 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 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	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

<sup>1</sup>Specifications 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-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

	4-5K 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
<b>Canon 24mm f1.4L</b>	<b>52.4°</b>	<b>73.6°</b>				O	✓	
<b>Canon 28mm f1.8</b>	<b>45.7°</b>	<b>65.3°</b>		O*	✓*	O	✓	
<b>Sigma 30mm f1.4</b>	<b>42.9°</b>	<b>n/a</b>	O	O	✓			
<b>Canon 35mm f1.4L</b>	<b>37.3°</b>	<b>54.3°</b>		O*	✓*	O	✓	
<b>Canon 40mm f2.8</b>	<b>32.9°</b>	<b>48.3°</b>	O	O	✓			
<b>Canon 50mm f1.2L</b>	<b>26.6°</b>	<b>39.5°</b>				O	✓	
<b>Canon 50mm f1.4</b>	<b>26.6°</b>	<b>39.5°</b>		O*	✓*	O	✓	
<b>Canon 50mm f1.8</b>	<b>26.6°</b>	<b>39.5°</b>	O	O	✓			
<b>Canon 85mm f1.2L</b>	<b>15.8°</b>	<b>23.8°</b>				O*	✓*	
<b>Canon 85mm f1.8</b>	<b>15.8°</b>	<b>23.8°</b>		O	✓			
<b>Canon 100mm f2</b>	<b>13.5°</b>	<b>20.4°</b>		O*	✓*	O	✓	
<b>Canon 200mm f2.8L</b>	<b>6.8°</b>	<b>10.3°</b>				O	✓	
<b>Canon 16-35mm f2.8L</b>	<b>37.3° - 72.8°</b>	<b>54.3° - 96.6°</b>				O	✓	
<b>Sigma 18-35mm f1.8</b>	<b>37.3° - 66.5°</b>	<b>n/a</b>				O	✓	
<b>** Sigma 17-50mm f2.8 OS</b>	<b>26.6° - 69.5°</b>	<b>n/a</b>		O*	✓*	O	✓	
<b>** Tamron 24-70mm VC f2.8</b>	<b>19.1° - 52.4°</b>	<b>28.8° - 73.6°</b>				O	✓	
<b>† Canon 70-200mm f2.8L</b>	<b>6.8° - 19.1°</b>	<b>10.3° - 28.8°</b>				O*	✓*	
<b>** Canon 70-300mm f4-5.6 IS</b>	<b>4.5° - 19.1°</b>	<b>6.8° - 28.8°</b>				O	✓	
<b>** † Canon 100-400mm f4.5-5.6L IS II</b>	<b>3.4° - 13.5°</b>	<b>5.1° - 20.4°</b>						✓

O 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.

<sup>1</sup>For more information about the lenses, see:

[www.canon.com](http://www.canon.com)

[www.sigma-global.com](http://www.sigma-global.com)

[www.tokinalens.com](http://www.tokinalens.com)

[www.tamron.com](http://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
<b>4.7-84.6mm (3° - 52°)</b>	✓	○	○			
<b>3-9mm (1-2MP: 35° - 98°; 3-5MP: 28° - 84°)</b>	✓	○	○			
<b>9-22mm (1-2MP: 15° - 35°; 3-5MP: 12° - 28°)</b>	✓	○	○			

○ Compatible    ✓ Recommended