

# Surveillance Cameras

## Accessory Guide

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To:	<whom it may concern>	
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## Revision history

Nr	Date	Remarks
1	7-Oct-13	Initial release
2	22-May-14	
3	12-Nov-14	Complete rework with simpler, more compact design. Not published.
4	23-jan-15	Processed feedback from Andre van Bunnik. Published.
5	26-mrt-15	Few cosmetic corrections Added in section 3.5.1 the WM08 pendant mount for indoor HSD820. Declared WM02/HSD as WM02/HSD <sup>old</sup> . Complemented the pendant dome adapter section for (I)FD820. Published
6	11-aug-15	Correction in section 3.5.1 Wall mounting: WM04 corrected to WM06 <sup>old</sup>
7	9-oct-15	BC620WDR declared EOL Added PTM01 to section 2.5.2.3 and 2.5.3
8	26-May-16	Added 1000 & 1100-series cameras and accessories
9	29-Jun-16	Added 1000/1103 accessories pictures Added power supply options for the 1000/1103 series cameras
10	03-jan-2017	Rebranded document from Siquira to TKH Security Solutions Corrected error in specs for lens VL39 Removed PA01 from PD1103 compatibility list – these domes need more power than the PA01 can deliver.
11	01-May-2017	Added compatibility between BC1103 and VL39 lens Added WM09 wall mounting for CD810, CD820, and FD360IR-E Inserted chapter 6 for fish eye cameras Added FD1002V1-EI to CM08 ceiling mounts for fixed domes Added 1004-series cameras to the guide Added BC840XT lenses VL-XT288 and VL-XT850 Corrected in 10.1 the included list of accessories for the BL1002F4-EI, this one does not include the wall+box mount (not applicable).








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# 1 Power supplies

Camera	PoE	PSA-UN12DC 	PSR 12 DC 	PA01 	PA02 	PA03 
BC14 <sup>old</sup>		√ <sup>1)</sup>	√			
BC620WDR <sup>old</sup>	√	√ <sup>1)</sup>	√	√	√	√
BC820	√	√ <sup>1)</sup>	√	√	√	√
BC820H1	√	√ <sup>1)</sup>	√	√	√	√
BC820MP5	√	√ <sup>1)</sup>	√	√	√	√
BC840-PID	√	√ <sup>1)</sup>	√	√	√	√
BL810F1IR	√	√ <sup>2)</sup>				
BL820M1IR	√ <sup>3)</sup>			√	√	√
BL820M1IRMP5	√ <sup>3)</sup>			√	√	√
CD810F1	√	√ <sup>2)</sup>				
CD820F1	√					
CD820F2 <sup>old</sup>	√					
FD360IR	√	√	√	√	√	√
FD810V1IR	√					
FD820M1 <sup>old</sup>	√ <sup>3)</sup>	√ <sup>1)</sup>	√	√	√	√
FD820M1IR	√ <sup>3)</sup>	√ <sup>1)</sup>	√	√	√	√
FD820M1IRMP5	√ <sup>3)</sup>	√ <sup>1)</sup>	√	√	√	√
IFD820V1IR	√	√ <sup>1)</sup>	√	√	√	√
MSD620 <sup>old</sup>					√	√
MSD622 <sup>old</sup>					√	√
HSD620 <sup>old</sup>					√	√
HSD622					√	√
HSD626					√	√
HSD620PRH					√	√
HSD621PRH					√	√
HSD820H1-EP <sup>old</sup>	√ <sup>4)</sup>				√	√
HSD820H1-IM <sup>old</sup>	√ <sup>4)</sup>				√	√
HSD820H2-E	√ <sup>5)</sup>				√	√
HSD820H2-I	√ <sup>5)</sup>				√	√
HSD820H3-E	√ <sup>5)</sup>				√	√
BL1002F4-EI	√	√	√			
CD1002F2-EI	√	√	√			
FD1002V1-EI	√	√	√			
BL1004F4-EI	√	√	√			
BL1004M1-EI	√	√	√			
CD1004F2-EI	√	√	√			

<b>FD1004M1-EI</b>	√	√	√			
<b>BC1103</b>	√	√	√	√	√	√
<b>BL1103M1-EI</b>	√	√	√			
<b>FD1103M1-EI</b>	√	√	√	√	√	√
<b>FD1103M1-I</b>	√	√	√			
<b>PD1103Z2-E</b>	√ <sup>6)</sup>				√	√
<b>PD1103Z2-EI</b>	√ <sup>6)</sup>				√	√

- 1) use cable ferrules version
- 2) use barrel connector version
- 3) PoE+ (30W) required if heater is to be used
- 4) PoE+ (30W) required, heater not to be used
- 5) PoE+ (30W) required; HiPoE (60W) required if heater is to be used
- 6) HiPoE (60W) required

## 2 Lenses

Lens	BC14 <sup>old</sup>	BC620 WDR	BC820	BC840	BX840 XT	BC820 MP5	BC1103
<b>MPL2882IR</b> <sup>old</sup> 1/3", 2.8-8.2mm, F1.4, 3MP, IR	√	√	√	√			√
<b>MPL40120IR</b> <sup>old</sup> 1/2", 4-12mm, F1.4, 3MP, IR	√	√	√	√			√
<b>MPL4080IR</b> <sup>old</sup> 1/2", 4-8mm, F1.4, 3MP, IR	√	√	√	√			√
<b>MPL50500AS</b> <sup>old</sup> 1/3", 5-50mm, F1.4, 3MP, IR	√	√	√	√			√
<b>VL01</b> <sup>old</sup> 1/3", 1.8-3.6mm, F1.6, SD	√	√					
<b>VL11</b> <sup>old</sup> 1/3", 2.9-8.2mm, F1.0, SD	√	√					
<b>VL12</b> <sup>old</sup> 1/3", 2.9-8.2mm, F1.0, SD, IR	√	√					
<b>VL22</b> 1/3", 2.8-12mm, F1.3, SD, IR	√	√					
<b>VL23A</b> 1/3", 2.8-12mm, F1.6, 2MP, IR	√	√					
<b>VL24</b> <sup>old</sup> 1/3", 3.0-8.0mm, F1.2, 3MP, IR	√	√					
<b>VL31</b> <sup>old</sup> 1/3", 8.5-40mm, F1.3, SD	√	√					
<b>VL32</b> 1/3", 5.0-50.0mm, F1.6, 1.3MP	√	√					
<b>VL33</b> 1/2.7", 2.8-8.0mm, F1.2, 3MP			√	√			√
<b>VL34</b> 1/2", 8.0-80.0mm, F1.6, 3MP			√	√			√
<b>VL35</b> <sup>special</sup> 1/1.8", 4.5-15.2mm, F1.5, 3MP, IR							
<b>VL36</b> <sup>special</sup> 1/2.7", 2.2-6mm, F1.3, 3MP			√	√			√
<b>VL37</b> <sup>special</sup> 1/2.7", 3.1-8mm, F1.2, 3MP, IR			√	√			√
<b>VL38</b> <sup>special</sup> 1/1.8", 4.5-13.2mm, F1.8, 5MP, IR						√	
<b>VL39</b> <sup>new</sup> 1/2.7", 2.8-10mm, F1.2, 3MP, IR			√	√			√
<b>VL40</b> <sup>new</sup> 1/2.5", 1.3mm, F2.0, 5MP						√	
<b>VL-XT288</b> 1/2.7", 2.8-8.0mm, F1.2-360, 3MP, IR, temperature hardened					√		
<b>VL-XT850</b> 1/2.7", 8.0-50.0mm, F1.6-360, 3MP, IR, temperature hardened					√		

### 3 Mounting Box cameras

Applies to models:

- BC14
- BC620
- BC820
- BC820H1
- BC820v2H3
- BC840
- BC1103

#### 3.1 Wall mounting

##### 3.1.1 Without housing

Use the WM04:	
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##### 3.1.2 With housing


Use any HSGxx(LV) and the HSG/WALL:	
Additionally, you may use the optional HSG/SUN:	

#### 3.2 Ceiling mounting

##### 3.2.1 Without housing

Use the same accessories also needed for Wall mounting.

##### 3.2.2 With housing

Use any HSGxx(LV) and the HSG/WALL + HSG/CEILING:	
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#### 3.3 Pole mounting with housing

Use any HSGxx(LV) and the HSG/WALL + HSG/POLE:	
Additionally, you may use the optional HSG/SUN:	

#### 3.4 Corner mounting with housing

Use any HSGxx(LV) and the HSG/WALL + HSG/CORNER:	
Additionally, you may use the optional HSG/SUN:	



## 4 Mounting Bullet cameras

Applies to models:


- BL810
- BL820
- BL1002
- BL1004
- BL1103

### 4.1 Surface mounting


The bullet cameras are designed for surface mounting.

No accessories are required.


#### 4.1.1 Surface mounting with junction box

<p>For BL1103: No accessories are required, junction box included.</p>	
<p>For BL1002 and BL1004: Use the JB06</p>	

### 4.2 Pole mounting

<p>For BL1002, BL1004, and BL1103: Use the PM06</p>	
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### 4.3 Corner mounting

<p>For BL1002, BL1004, and BL1103: Use the WM14</p>	
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## 5 Mounting Compact fixed dome cameras

Applies to models:

- CD810
- CD820
- CD1002
- CD1004

### 5.1 Surface mounting

The compact fixed dome cameras are designed for surface mounting without accessories.

### 5.2 Wall mounting

<p>For the CD810 and CD820, use the WM09</p>	
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## 6 Mounting Fisheye cameras

Applies to models:

- FD360IR
- FD360IR-E

### 6.1 Surface mounting

The fisheye cameras are designed for surface mounting without accessories.

### 6.2 Wall mounting

For the FD360IR-E, use the WM09



## 7 Mounting Fixed dome cameras



Applies to models:

- FD820
- IFD820
- FD1002
- FD1004
- FD1103




### 7.1 Surface mounting

The fixed dome cameras are designed for surface mounting.



#### 7.1.1 Surface mounting with junction box


<p>The FD1002V1-EI, FD1004, and FD1103M1-I can be mounted on a surface with a junction box: Use the JB05</p>	
<p>The FD1103M1-EI can be mounted on a surface with a junction box: Use the JB01</p>	

### 7.2 Wall mounting




<p>For the FD1002V1-EI and FD1004: Use the WM15, or use the WM15B which includes a junction box.</p>	
<p>For the FD1103-I: Use the WM10, or use the WM10B which includes a junction box.</p>	
<p>For the FD1103-EI: Use the WM11, or use the WM11B which includes a junction box.</p>	

### 7.3 Pole mounting



<p>For FD1002V1-EI and FD1004: Use the PM06 plus the wall mounts WM15, or WM15B in case you need the junction box</p>	
<p>For FD1103M1-I: Use the PM06 plus the wall mounts WM10, or WM10B in case you need the junction box</p>	

<p>For FD1103M1-EI: Use the PM06 plus the wall mounts WM11, or WM11B in case you need the junction box</p>	
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## 7.4 Corner mounting

<p>Use the WM14</p>	
<p>For FD1002V1-EI and FD1004: Use the WM14 plus the wall mounts WM15, or WM15B in case you need the junction box</p>	
<p>For FD1103M1-I: Use the WM14 plus the wall mounts WM10, or WM10B in case you need the junction box</p>	
<p>For FD1103M1-EI Use the WM14 plus the wall mounts WM11, or WM11B in case you need the junction box</p>	

## 7.5 Ceiling mounting (FD1103M1-I model)

<p>For FD1002V1-EI and FD1103M1-I: Use the CM08</p>	
<p>For FD1103M1-EI: Use the CM09</p>	

### 7.5.1 Recessed ceiling (flush) mounting

<p>For the IFD820: Use the CM06</p>	
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### 7.5.2 Convert to pendant dome shape (FD820 and IFD820 models)

These models fixed dome cameras can be engineered in pendant form factor. The tube adaptor is mechanically compatible with the moveable domes tube adaptors. Therefore, if you make the fixed dome camera pendant mountable, you can use the mounting accessories that also apply to the movable domes.

<p>Use the WM02/FD or WM02/FD-SFP: This accessory includes a bubble.</p>	
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Note: the outdoor FD820 has a bubble that is already compatible with the pendant dome shape adapter. Therefore, if the FD820 bubble is still good, you may also choose the following:

<p>For FD820, alternatively use the WM02/FD6/FD8: This accessory does not include a bubble.</p>	
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## 8 Moveable dome cameras

### 8.1 For the 1100-series domes

#### 8.1.1 Wall mounting

<p>For PD1103Z2-E and PD1103Z2-EI: Use the WM12, or the WM12B which includes a junction box</p>	
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#### 8.1.2 Pole mounting

<p>For PD1103Z2-E and PD1103Z2-EI: Use the PM07, or use the PM07B which includes a junction box</p>	
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##### 8.1.2.1 Pole parapet mounting

<p>Use the PM08</p>	
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#### 8.1.3 Corner mounting

<p>Use the WM17</p>	
<p>Alternatively, use the WM17B which includes a junction box.</p>	

#### 8.1.4 Roof mounting







<p>Use the gooseneck WM16</p>	
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#### 8.1.5 Ceiling mounting

<p>Use the CM11</p>	
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## 8.2 For the xSD62x, HSD820, and PRH models

### 8.2.1 Wall mounting


For the xSD620 <sup>old</sup> , first use the WM02/HSD <sup>old</sup> :	
Likewise, for the indoor HSD820, use the WM08:	
Use the WM01A or ( WM07 + CC13/IP ): The WM07 is advised if camera directs to fiber. If you use the WM07, you need the longer cable.	 or (  +  )
If you wish to enclose the PA03 outdoor power supply directly next to the camera, use the WM06 <sup>old</sup> : This box will sit in between the bracket and the wall.	

### 8.2.2 Ceiling mounting

#### 8.2.2.1 Recessed ceiling (flush) indoor mounting

For the MSD620 <sup>old</sup> , use the CM04A/MD <sup>old</sup> :	
For the HSD620 <sup>old</sup> , use the CM04/HD <sup>old</sup> :	
For the indoor HSD820, use the CM07:	

#### 8.2.2.2 Hard ceiling (surface) indoor mounting

For the xSD620 <sup>old</sup> , use the CM03/HD <sup>old</sup> :	
For the indoor HSD820, the surface mount accessory is included in the box. There is no model name for this accessory.	







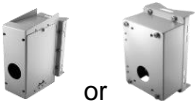


#### 8.2.2.3 Pendant ceiling mounting

For the xSD620 <sup>old</sup> , first use the WM02/HSD <sup>old</sup> :	
Likewise, for the indoor HSD820, use the WM08:	









Use the CM01 or ( CM02 <sup>old</sup> + CC13/IP):	 or (  +  )
For 3 <sup>rd</sup> party 1½" NPT mounting, use the PTM01 1-1½" pipe thread adapter:	

### 8.2.3 Pole mounting

For the xSD620 <sup>old</sup> , first use the WM02/HSD <sup>old</sup> :	
Likewise, for the indoor HSD820, use the WM08:	
Use the WM01A or ( WM07 + CC13/IP ): The WM07 is advised if camera directs to fiber. If you use the WM07, you need the longer cable.	 or (  +  )
Use the PM01 or PM02 to strap the bracket to the pole. If you wish to enclose the PA03 outdoor power supply directly next to the camera, use the PM03 or PM04 instead of the PM01/PM02, respectively. This box will sit in between the bracket and the pole.	 or  or 
For 3 <sup>rd</sup> party 1½" NPT mounting, use the PTM01 1-1½" pipe thread adapter:	

### 8.2.4 Corner mounting

For the xSD620 <sup>old</sup> , first use the WM02/HSD <sup>old</sup> :	
Likewise, for the indoor HSD820, use the WM08:	
Use the WM01A or ( WM07 + CC13/IP ): The WM07 is advised if camera directs to fiber. If you use the WM07, you need the longer cable.	 or (  +  )
Use the WM05: Note that it is not possible to integrate the PA03 power supply directly in the mounting, as is the case for wall or pole mounting.	

## 9 Dome spare parts

Dome camera	Clear bubble	Smoked bubble	Sunshield
FD820		DC16FD	
IFD820			
IFD820 + CM06			
IFD820 + WM02/FD			
MSD620 <sup>old</sup>	DC20C	DC20S	
MSD622 <sup>old</sup>	DC03	DC13	SS01 /MD
HSD620 <sup>old</sup>	DC02	DC12	
HSD622	DC03	DC13	SS01 /HD
HSD626	DC03	DC13	SS01 /HD
HSD620PRH <sup>old</sup>			
HSD621PRH			
HSD820H1-EP <sup>old</sup>	DC03	DC13	
HSD820H1-IM <sup>old</sup>			
HSD820H2-E	DC03, DC08 <sup>new</sup>	DC13, DC18 <sup>new</sup>	
HSD820H2-I			
HSD820H3-E	DC08 <sup>new</sup>	DC18 <sup>new</sup>	

## 10 Accessories overviews per model family

### 10.1 1000-series accessories overview

Mounting	BL1002F4-EI	FD1002V1-EI	BL1004F4-EI	BL1004M1-EI	FD1004M1-EI
Wall	included	WM15	included	included	WM15
Wall + box	n/a	WM15B	n/a	n/a	WM15B
Corner	WM14	WM14	WM14	WM14	WM14
Pole	PM06	PM06	PM06	PM06	PM06
Ceiling	included	included	included	included	included
Box	JB06	JB05	JB06	JB06	JB05

### 10.2 1100-series accessories overview

Mounting	BL1103M1-EI	FD1103M1-I	FD1103M1-EI
Wall	included	WM10	WM11
Wall + box	included	WM10B	WM11B
Corner	WM14	WM14	WM14
Pole	PM06	PM06	PM06
Ceiling	included	CM08	CM09
Box	included	JB05	JB01

Mounting	PD1103Z2-E	PD1103Z2-EI
Wall	WM12	WM12
Wall + box	WM12B	WM12B
Corner + wall	WM17	WM17
Corner + wall + box	WM17B	WM17B
Pole + wall	PM07	PM07
Pole + wall + box	PM07B	PM07B
Pole parapet	PM08	PM08
Gooseneck	WM16	WM16
Ceiling	CM11	CM11