Hanwha Vision

Network   Bullet

XNO-6080R/RW

2MP IR Bullet Camera with
RoadWatch ANPR

roadwatch

Key Features

- 2MP resolution
- 2.8 ~ 12mm (4.3x) motorized varifocal lens
- IR viewable length: 50m(164.04ft)
- Colour: 0.015 lux(F1.4, 1./30sec), B/W: 0 Lux (IR LED On)
- Day & Night (ICR), WDR (150 dB)
- DIS with built-in Gyro sensor
- Certification: IP66, IP67, NEMA4X, IK10
- RoadWatch Application (Pre-installed and licensed)
  - Edge based ANPR
  - List Management, Smart Search, Statistics, Barrier Trigger
  - ANPR Setup Wizard
  - Integration with WAVE VMS, JSON & UTMC protocols

Compatible Accessories (Optional)

SBP-302PM

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

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Specifications

Video	
Imaging Device	1/2.8" 2MP CMOS
Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264 : Max. 60fps/50fps(60Hz/50Hz) / MJPEG: Max. 30fps/25fps(60Hz/50Hz)
Min. Illumination	Colour: 0.015 lux(F1.4, 1./30sec) / B/W: 0 Lux (IR LED On)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P), for installation USB: Micro USB Type B, 1280x720, for installation

Lens	
Focal Length (Zoom Ratio)	2.8~12mm(4.3x) motorized varifocal
Max. Aperture Ratio	F1.4(Wide) ~ F3.6(Tele)
Angular Field of View	H: 119.5°(Wide)~27.9°(Tele), V: 62.8°(Wide)~15.7°(Tele), T: 142.1°(Wide)~32.0°(Tele)
Min. Object Distance	0.5m(1.64ft)
Focus Control	Simple focus
Lens Type	DC auto iris, P iris

Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, DWDR, SSDR
Wide Dynamic Range	150dB
Digital Noise Reduction	SSNR V
Digital Image Stabilization	Support
Defog	Support
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	32ea, polygonal zones - Colour: Grey/Green/Red/Blue/Black/White - Mosaic
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
Video Rotation	Flip, Mirror, Hallway view(90°/270°)
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Network disconnect, Alarm input
Alarm Events	File upload via FTP and E-Mail Notification via E-Mail SD/SDHC/SDXC or NAS recording(SMB/CIFS) at Event triggers Alarm output Handover
Audio In	Selectable(Mic in/Line in), Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Max. output level: 1Vrms
IR Viewable Length	50m(164.04ft)

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Installation Requirements

ANPR (Automatic Number Plate Recognition) Technology running on the camera will provide you with the best results when following the recommended installation requirements below.

Vertical Angle:

30 degrees Maximum Vertical Angle

Note: Minimum and Maximum Forward Distance depend on lens zoom. Refer to each camera model specifications and manual.

Fig. 1
Camera shown from side

30° Maximum Vertical Angle
Minimum Forward Distance
Maximum Forward Distance

Fig. 2
Example of installation at a height of 4m

4 m
30°
7 m
13 m

Horizontal Angle:

30 degrees Maximum Horizontal Angle

Note: Minimum and Maximum Forward Distance depend on lens zoom. Refer to each camera model specifications and manual.

Fig. 3
Camera shown from top
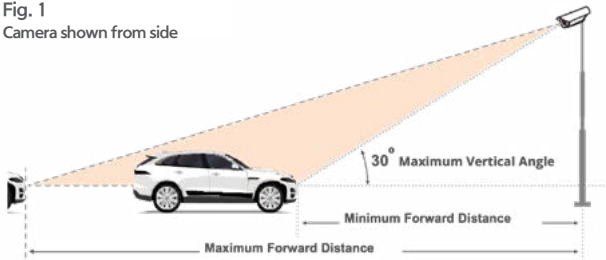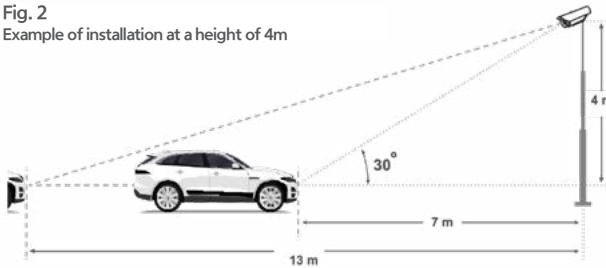
30° Maximum Horizontal Angle
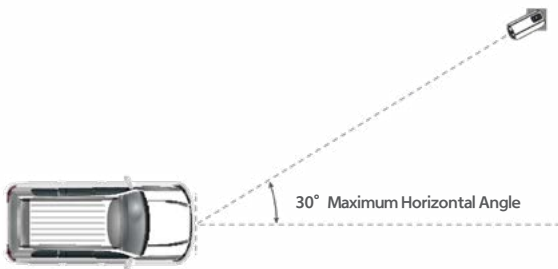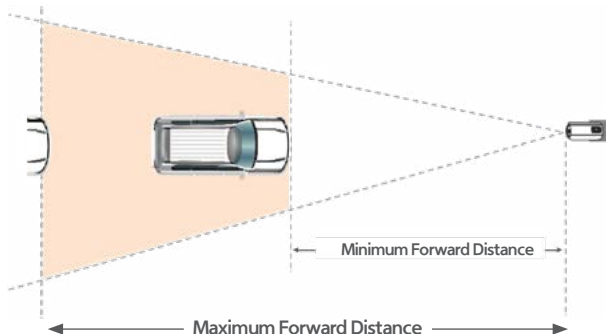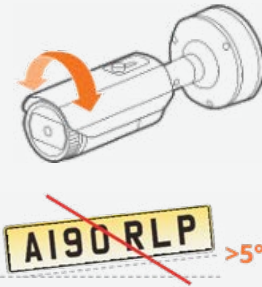
Fig. 4

Minimum Forward Distance
Maximum Forward Distance

Angle:

For the best results, check the angle of your plate compared to the horizontal alignment and rotate the camera to achieve less than 5° as shown.

A190 RLP   A190 RLP 5°max

A190 RLP >5°

Zone:

Setting recognition zone (see orange frame below) in lower half of camera view is recommended for best recognition.

Plate Size:

All the license plates that meet the on−frame size criteria below will be recognized in the selected area. 130−300 pixels for regular EU plates.

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