

# 3MP HD TVI/AHD CAMERAS







## 3.0MP HD CAMERA | AR0330 (Support TVI and/or AHD, 2 in 1)

**Feature:**

- ◎ Aptina AR0330 3.0MP Image Sensor; Support TVI and/or AHD @ 3MP resolution output.
- ◎ Nextchip NVP2470H DSP, Support OSD manual.
- ◎ Support DWDR, Anti-fog, 2D DNR.
- ◎ Support ICR, Day and Night mode.
- ◎ Support UTC function.
- ◎ Support TVI and/or AHD Technology.

Parameter	Value
Image Sensor	1/3 Aptina AR0330
Resolution	2048(H) x 1536(V)
Min.illumination	0.01Lux (F1.2, AGC ON), 0 Lux with IR
Electronic Shutter	AUTO/ 1/50 (1/60) -1/50,000sec
Video Standard	TVI 3MP / AHD 3MP
Frame Rate	18FPS(NTSC) / 18FPS(PAL)
D/N	Ext / Auto / Color / BW (switch by OSD menu)
Video Out	1CH BNC Output
OSD	Support
White Balance	AWB
Advanced Function	DWDR, 2D DNR
Image System	NTSC / PAL
Power	DC 12V
Operation Temperature	-20℃ ~ +50℃
Operation Humidity	10%~90%

Housing Picture	Model	Description	IR Led	IR Range	Protection	Lens	Power	Size	Weight
	HDA-QS3300-TN (Default TVI@NTSC) HDA-QS3300-TP (Default TVI@PAL) HDA-QS3300-AN (Default AHD@NTSC) HDA-QS3300-AP (Default AHD@PAL)	Waterproof IR Bullet Camera	5pc IR Array	50 M	IP66	2.8-12mm Varifocal Lens	6W MAX	L282.2*W82.99*H83mm	1045g
	HDA-QS2300-TN (Default TVI@NTSC) HDA-QS2300-TP (Default TVI@PAL) HDA-QS2300-AN (Default AHD@NTSC) HDA-QS2300-AP (Default AHD@PAL)	<b>Full Metal</b> Waterproof Mini IR Bullet Camera	2pc IR Array	30 M	IP66	3.6mm Fix Lens	3W MAX	L187.34*W63.93*H64mm	450g
	HDA-BDS3300-TN (Default TVI@NTSC) HDA-BDS3300-TP (Default TVI@PAL) HDA-BDS3300-AN (Default AHD@NTSC) HDA-BDS3300-AP (Default AHD@PAL)	Vandal-Proof IR Eyeball Camera	3pc IR Array	50 M	IP66	2.8-12mm Varifocal Lens	4W MAX	φ 126.6*H110.79mm	430g
	HDA-BDS2300-TN (Default TVI@NTSC) HDA-BDS2300-TP (Default TVI@PAL) HDA-BDS2300-AN (Default AHD@NTSC) HDA-BDS2300-AP (Default AHD@PAL)	Vandal-Proof Mini IR Eyeball Camera	2pc IR Array	30 M	IP66	3.6mm Fix Lens	3W MAX	φ 98.75*H78.99mm	275g

