


2.2 Mega pixels

Color Full HD 1080p@30fps (1920x1080)

**UF-X004AA**

Industrial Inspection  
Environment Monitor  
CCTV Security  
Multimedia Teleconferencing  
Medical / Pathology / Histology  
Industrial Quality Control

AHD2.0		RoHS	
Full HD 1080p@30fps			
pal	ntsc	dol-hdr	
osd	dhdr	dnr	progressive
for security application			
more economical			



## Features

**Excellent performance Full HD 1080p 1 / 2.9" 2.2MPs**

The UF-X004AA series incorporate 2.2MPs latest CMOS image sensor and DSP technologies into a compact camera

**DWDR / 2D-3DNR**

Adjustable Digital Wide Dynamic Range Level and 2D-3D Noise Reduction

**Progressive scan HDR (High Dynamic Range)**

**Realizes picture for Low light Conditions**

High sensitivity 510mV

**High resolution**

12-bits ADC Progressive scanning more than 1100TVL

**Compact high reliability**

Offers high reliability, high stability, long life and resistance against impact

**AWB PLM (Push-Lock-Memory) function**

ATW function suitable for 2500 ~ 9500 degrees K of lighting temperature

AWB locked function suitable to memorize fixed lighting sources

**All functions control by OSD**

AE / ME, AGC, BLC, WDR, Gamma, ATW / AWB, AWB push-hold

Manual Shutter, HLC, Defog, Sense Up, Neg. Image, H-Mirror, Freeze

Auto defect pixel Blemishes

**Green products**

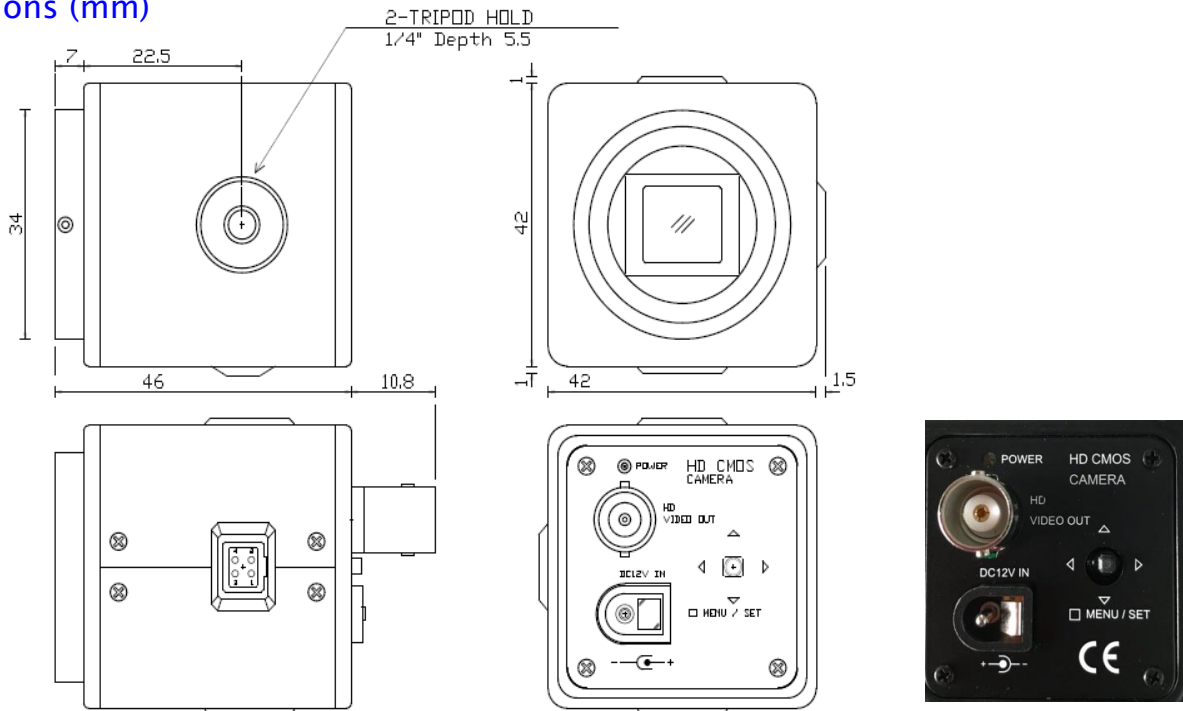
**Frugal Engineering Products** More Economical

# Specifications

**Model**  
 Image device  
 Effective pixels  
 Pixel size  
 Color or B/W  
 Build-in coating filter  
 Min. Illumination  
 BNC output formats (Selectable)  
  
 Sensitivity  
 Scanning  
 Sync. System  
 S/N  
 Build-in special functions  
 OSD control functions  
  
 5-Way key control  
 (Press & hold key 5 sec.)  
 Auto Iris Lens  
 Power supply consumption  
 Lens mount  
 Working environment  
 Dimensions  
 Weight

**UF-X004AA**  
 1/2.9" 2.24MPs CMOS Sensor  
 1985(H) x 1105(V)  
 2.8  $\mu$  m(H) x 2.8  $\mu$  m(V)  
 Color  
 650nm  
 0.01Lux  
 Composite NTSC / PAL  
 AHD2.0 720p@60fps / 1080p@30fps  
 510mV  
 Progressive scan  
 Internal  
 More than 50dB (AGC Off)  
 DWDR  
 DNR (Digital Noise reduction)  
 AGC (Auto Gain Control) / BLC (Back Light Compensation)  
 Auto defect Pixel Blemishes / Sense Up  
 Defog / Sharpness / H Mirror, Neg. image, Freeze  
 HLC (High Light Compensation) / Lens Shading  
 Shutter Speed 1/25~1/60,000 / Gamma, Hue  
 ATW / Manual AWB / AWB PLM (Push-Lock-Memory)  
 CRT / LCD / Language: English / Chinese  
 Set: OSD menu (Please refer recommend value sheet)  
 Right: AHD/ Left: CVBS/ Down: NTSC or PAL  
 Unavailable  
 DC12V +/- 10 %, 90mA, Max. 1W  
 C/CS Mount  
 Relative humidity less than 80%, -20°C to 60°C  
 43.5(W)x44(H)x56.8(D)  
 Approx. 160g

## Dimensions (mm)



## Ordering Guide

Model 1/2.9" CMOS Image Sensor  
 UF-X004AA Sony 2.2MPs

Output Recording Pixels/Frame Rate  
 Full HD 1920(H) x 1080(V) / 1080p@30fps

Approx. Resolution  
 Color 1100TVL