

***New standards in image quality  
using a single imager***

**Full-HD Progressive 1080p/60fps  
C-mount Camera**

**VPC-HD20**



- Original ISP engine for superb imaging quality with high speed processing
- Compact Design(29mmx29mmx77mm)
- All major formats including 1080i and 1080p at full 50Hz refresh rate
- Many features and functions (AE, AWB, colour correction, DNR, Black level setting )

※ Available *with* or without housing

## Original New ISP engine

Newly designed algorithm engine results in supreme quality of **Precise Color** reproduction comparable to a 3-CCD camera.



- **High Speed Processing :**  
Achieves max. **1920x1080@60pfs** on mid-range FPGA.
- **High Quality Color Process :**  
High Resolution, low pseudo-color and low artifact CFA (Color Filter Array) process produces **image quality equivalent to that of non-real time PC-based DPE application software.**
- **Precision Color Reproduction :**  
Enables **precise color reproduction** with sophisticated color correction technology

## Specifications

Item	Specifications
Imager	1/3" Type CMOS (Single sensor)
Unit cell size	2.75 x 2.75 $\mu$ m
Effective pixels	1944(H) x 1092(V)
Resolution	1920 x 1080 Full HD
Frame rate	60fps / 59.94fps / 50fps full interlaced or progressive
Pixel Clock	148.5MHz
Shutter	OFF ~ 1/8,000s
Signal I/F	3G-SDI / HD-SDI
Pedestal	OFF/ON (Level : 0 ~ 127)
Lens Mount	C mount
Dimensions	29(W) x 29(H) x 77(D)mm

\* Specifications are subject to change without notice.