



One-inch & 4/3-inch Cooled CMOS Cameras

QHY183M/C QHY163M
QHY294M QHY533M/C



Model	QHY183M/C	QHY-533M/C	QHY163M	QHY294M Pro
Sensor	Sony IMX183	Sony IMX533	Panasonic MN34230	Sony IMX080
Illumination	Back Illuminated	Back Illuminated	Front Illuminated	Back Illuminated
Total Pixels	20 Megapixels	9 Megapixels	16 Megapixels	11.7 Megapixels
Pixel Size	2.4um	3.76um	3.8um	4.64um
Pixel Array	5544 x 3694	3008 x 3028	4656 x 3522	4164 x 2796
Optical Format	1-inch	1-inch	4/3-inch	4/3-inch
Dark Current	0.0024e/p/s@-15C	130FPS@240 line	0.006e/p/s@-20C	0.002e/p/s@-20C
FPS @ Full Resolution	7.5-19 FPS full res.	26.5 FPS@8-bit	22.5 FPS	16.5 FPS
Shutter	Electronic	Electronic	Electronic	Electronic
Exposure	50us - 3600sec	30us - 3600sec	50us - 1800sec	60us - 3600sec
A/D Resolution	12-bit	14-bit	12-bit	14-bit
Read Noise	1e- to 2.7e-	1.3e- to 3.4e-	1e- to 2.4e-	1.2e- to 6.9e-
Full Well	15.5ke-	58ke-	20ke-	65ke-
Cooling Delta	-40C, Regulated	-30 to -35C reg.	-40C, Regulated	-35C, Regulated
Weight (M/C)	650g	845g	442g	700g
Reference Price (M/C)	\$999 /\$699	\$1159/\$959	\$1099	\$1295

Specifications subject to change without notice. For latest product information and updates visit

www.QHYCCD.com