## **Broadcast ENG/EFP Lenses**

HD 2/3"							HD 1/3"	
	KJ22ex7.6B	њас	KJ17ex7.7E	ња	KJ10ex4.5B	<b>Ю</b> GC	KT17ex4.3B	ЮGC
Appearance								
Model Name	KJ22ex7.6B IRSE S/IASE S		KJ17ex7.7B IRSE S/IASE S		KJ10ex4.5B IRSE S/IASE S		KT17ex4.3B IRSE S	
Zoom Ratio	22x		17x		10x		17x	
Focal Length	7.6~168mm	15.2~336mm (2.0x)	7.7~131mm	15.4~262mm (2.0x)	4.5~45mm	9~90mm (2.0x)	4.3~73mm	8.6~146mm (2.0x)
Maximum Relative Aperature	1:1.8 at 7.6~116.3mm 1:2.6 at 168mm	1:3.6 at 15.2~232.6mm 1:5.2 at 336mm (2.0x)	1:1.8 at 7.7~102.5mm 1:2.3 at 131mm	1:3.6 at 15.4~205mm 1:4.6 at 262mm	1:1.8 at 4.5~34.5mm 1:2.35 at 45mm	1:3.6 at 9~68.9mm 1:4.7 at 90mm	1:1.4 at 4.3~73mm	1:2.8 at 8.6~146mm
Angular Field of View	64.6°x39.1° at 7.6mm 3.3°x1.8° at 168mm	35.1°x20.1° at 15.2mm 1.6°x0.9° at 336mm	63.9°x38.6° at 7.7mm 4.2°x2.36° at 131mm	34.6°x19.9° at 15.4mm 2.1°x1.18° at 262mm	93.7°x61.9° at 4.5mm 12.2°x6.9° at 45mm	56.1°x33.4° at 9mm 6.1°x3.4° at 90mm	62.6°x37.7° at 4.3mm 4.1°x2.3° at 73mm	33.8°x19.4° at 8.6mm 2.1°x1.2° at 146mm
M.O.D.* from Lens Front	0.8m		0.6m		0.3m		0.6m	
Object Dimensions at M.O.D.*	95.0x53.4cm at 7.6mm 4.4x2.5cm at 168mm	47.5x26.7cm at 15.2mm 2.2x1.3cm at 336mm	68.5x38.5cm at 7.7mm 4.2x2.4cm at 131mm	34.3x19.3cm at 15.4mm 2.1x1.2cm at 262mm	74.1x41.7cm at 4.5mm 6.4x3.6cm at 45mm	37.0x20.8cm at 9mm 3.2x1.8cm at 90mm	66.9x37.6cm at 4.3mm 4.1x2.3cm at 73mm	33.5x18.8cm at 8.6mm 2.1x1.2cm at 146mm
Filter Thread Size (Hood/Lens Barrel)	105mm P1 / 94mm P1		— / 82mm P0.75		127mm P0.75 / —		— / 82mm P0.75	
Approx. Size (WxHxL)	6.5x4.4x8.6 in. (164.7x111.8x218.6mm)		6.3x4.2x7.8 in. (159.3x106.6x197.8mm)		6.6x4.4x9.4 in. (168.2x111.8x237.7mm)		6.3x4.2x7.8 in. (159.3x106.6x197.3mm	
Approx. Weight (IRSE/IASE)	4.0 lbs (1.82kg)/4.19 lbs (1.90kg)		3.26 lbs (1.48kg)/3.44 lbs (1.56kg)		4.04 lbs (1.83kg)/4.22 lbs (1.91kg)		3.26 lbs (1.48kg)	

## **Pro-Video Lenses**

HD 2/3"							
	KJ20x8.2B		KJ20x8.2B <b>₽</b> GC	KJ13x6B			
Appearance				wipp.			
Model Name	KJ20x8.	2B IRSD	KJ20x8.2B KRSD	KJ13x6B KRSD			
Zoom Ratio	20x		20x	13x			
Focal Length	8.2~164mm	16.4~328mm (2.0x)	8.2~164mm	6~78mm			
Maximum Relative Aperature	1:1.9 at 8.2~115.4mm 1:2.7 at 164mm	1:3.8 at 16.4~230.8mm) 1:5.4 at 328mm	1:1.9 at 8.2~115.4mm 1:2.7 at 164mm	1:2.0 at 6~58mm 1:2.7 at 78mm			
Angular Field of View	60.7°x36.5° at 8.2mm 3.4°x1.9° at 164mm	32.6°x18.7° at 16.4mm 1.7°x0.9° at 328mm	60.7°x36.5° at 8.2mm 3.4°x1.9° at 164mm	77.3°x48.5° at 6mm 7.0°x4.0° at 78mm			
M.O.D.* from Lens Front	0.9m		0.9m	0.4m			
Object Dimensions at M.O.D.*	98.2x55.2cm at 8.2mm 5.0x2.8cm at 164mm	49.1x27.6cm at 16.4mm 2.5x1.4cm at 328mm	98.2x55.2cm at 8.2mm 5.0x2.8cm at 164mm	74.3x41.8cm at 6mm 5.4x3.0cm at 78mm			
Filter Thread Size (Hood/Lens Barrel)	— / 82mm P0.75		— / 82mm P0.75	105mm P1 / —			
Approx. Size (WxHxL)	6.4x4.1x8.2 in. (163.3x104.1x208.0mm)		6.4x4x7.2 in. (163.3x101.6x181.8mm)	6.5x4.1x8.3 in. (165.4x104.1x211.7mm)			
Approx. Weight	3.13 lbs (1.42kg)		2.76 lbs (1.25kg)	3.51 lbs (1.59kg)			

HD 1/2"				
Appearance	KH20x6.4			
Model Name	KH20x6.4 KRSD SY14			
Zoom Ratio	20x			
Focal Length	6.4~128mm			
Maximum Relative Aperature	1:1.4 at 6.4~89.6mm 1:2.0 at 128mm			
Angular Field of View	57.1°x34.1° at 6.4mm 3.1°x1.8° at 128mm			
M.O.D.* from Lens Front	0.9m			
Object Dimensions at M.O.D.*	89.8x50.5cm at 6.4mm 4.6x2.6cm at 128mm			
Filter Thread Size (Hood/Lens Barrel)	— / 82mm P0.75			
Approx. Size (WxHxL)	6.4x4x7.2 in. (163.3x101.6x182.5mm)			
Approx. Weight	2.8 lbs (1.27kg)			

<sup>\*</sup> M.O.D. = Minimum Object Distance.