HCR Advanced Hanwha Collaborative Robot







			HCR-3A	HCR-5A	HCR-12A
Robot Body	DOF		6 rotating joints	6 rotating joints	6 rotating joints
	Payload				12kg
	Reach				
	Speed (Tool)			1m/s (Max. 1.5m/s)	
			13 kg	21kg	
	Tool/IO 1	Connector	M8, 8pin, A Coding (Standard)	M8, 8pin, A Coding	M8, 8pin, A Coding
			DC24V (set on GUI) 1.5A Max	24V (set on GUI) 3A Max (1.5A/pir	n) 24V (set on GUI) 3A Max (1.5A/pin
		Digital In (Type)	2 (PNP)	2 (PNP)	2 (PNP)
		Digital Out (Type)	2 (NPN)	2 (NPN)	2 (NPN)
		Analog In			
	Tool/IO 2	Connector		M8, 8pin, A Coding	M8, 8pin, A Coding
		Power		DC 24V (1.5A max)	DC 24V (1.5A max)
		Digital In (Type)		D-in 2 (PNP)	D-in 2 (PNP)
		Digital Out (Type)		D-out 2 (NPN)	D-out 2 (NPN)
	EtherCAT	Connector	M8, 6pin	M8, 6pin	M8, 6pin
		DC	TX+, TX-, RX+, RX-DC 24V	TX+, TX-, RX+, RX-DC 24V	TX+, TX-, RX+, RX-DC 24V
	Sound Level		Less than 60dBA	Less than 65dBA	Less than 70dBA
	Motion Range, Speed		± 360°, Max 180°/sec	± 360°, Max 178°/sec	±180°, Max 130°/sec
		J2		± 360°, Max 178°/sec	
				± 165°, Max 178°/sec	
				± 360°, Max 180°/sec	± 190°, Max 200°/sec
				± 360°, Max 180°/sec	± 170°, Max 200°/sec
				± 360°, Max 180°/sec	± 360°, Max 200°/sec
	IP protection		IP64	IP54	IP54
Controller			 450 x 470 x 223 mm	450 x 470 x 223 mm	 450 x 470 x 223 mm
			 17.6kg	 17.6kg	 19.8kg
			100-240 VAC, 50-60Hz (1kW)	100-240 VAC, 50-60Hz (1kW)	100-240 VAC, 50-60Hz (1kW)
	Internal I/O Ports	Emergency	2ch (4 ports)	2ch (4 ports)	2ch (4 ports)
in the second			2ch (4 ports)	2ch (4 ports)	2ch (4 ports)
T/P		Remote Power On/Off			
		Digital In	Flexible In 8 ch (SINK)	Flexible In 8 ch (SINK)	Flexible In 8 ch (SINK)
			General In 8 ch (SINK)	General In 8 ch (SINK)	General In 8 ch (SINK)
		Digital Out	Flexible Out 8 ch (SOURCE) General Out 8 ch (SOURCE) * <1.2A / channel	Flexible Out 8 ch (SOURCE) General Out 8 ch (SOURCE) * <1.2A / channel	Flexible Out 8 ch (SOURCE) General Out 8 ch (SOURCE) * <1.2A / channel
		Incremental Encoder In	 2ch		
	Communication Proto		TCP/IP, Modbus TCP, Profinet and		
	Size			343mm x 270mm x 81mm	
© neutr	Weight			1.8kg	
2 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Display Size		12.1 inch	
				1024 x 768	
		Touch Tech			
	User Interface	Power Switch			
		Emergency Switch			
	I/O Port			USB 2.0 1EA	
	Accessory			T/P Holder 1EA	

HEADQUARTER

