

Annexure – 1

Technical Specifications for 12 MP Machine Vision Colour Camera with Accessories

Sl. No.	Parameter	CMTI Requirement	Quantity
1	12 MP Small Form Factor Machine Vision Color Camera with following specifications:		4
a.	Imaging Sensor	- Sony IMX535	
b.	Resolution	4096 x 3000, 12.3 MP	
c.	Frame Rate	>=85 fps @ 12.3 MP	
d.	Size	- Length <= 55 mm - Width <= 55 mm - Depth <= 100 mm	
e.	Weight	<= 350 grams	
f.	Interface Type	- 10GigE or higher (PoE or External DC supply) / Coaxpress.	
g.	Chroma	Color	
h.	Sensor Format	1/ 1.1"	
i.	Pixel Size	2.74 µm x 2.74 µm	
j.	Shutter Type	Global	
k.	Lens Mount	C-Mount	
l.	I/O Interface	- Min 1 Opto Isolated Input-Output. - Min 1 Non-Isolated Input-Output.	
2	Accessories	Frame Grabber Cards	
		- Dual/ Quad port frame grabber card with PCIe 3.0 x8 bus to connect min two cameras.	1
		- Single/ Dual port frame grabber card with , PCIe 3.0 x4 bus to connect min one camera each.	2
		Cables and Connectors	
		- 10GigE/ Coaxpress cables as appropriate to the quoted model. - Length 5 metre. - Preferable - Right angled connector bent downwards.	4
		- Trigger Cables of length 5 metre. - Preferable - Right angled connector bent downwards.	4
		Tripod Adapters.	4
		Power supply adapter.	4
3	Warranty	Minimum 1 year.	

Duf 28/23