

Commodity Description

(10GigE Sensors and NIC)



**Agency for Defense Development
Defense Test Research Institute**

1. Introduction

This RFP defines the general requirements for the 10GigE Sensors and NICs to be used at the Defense Test Research Institute of Agency for Defense Development (ADD) in South Korea.

2. Components

Item No.	Description	Unit	Q'ty
01	7mega pixels sensor	Set	4
02	5mega pixels sensor	Set	2
03	1.8mega pixels sensor	Set	2
04	25G Network Interface Card	EA	4

3. Specification

A. 7mega pixels sensor 4 Set (HR-7000-S-C-E2 EF or equivalent)

- Resolution $\geq$ 7mega pixels
- Frame rate $\geq$ 160fps @ 7mega pixels
- Weight < 1kg
- Operating temperature: -20~50°C or more

B. 5mega pixels sensor 2 Set (HB-5000-SB-C-E2 EF or equivalent)

- Resolution $\geq$ 5mega pixels
- Frame rate $\geq$ 200fps @ 5mega pixels
- Weight < 1kg
- Operating temperature: -20~50°C or more

C. 1.8mega pixels sensor 2 Set (HR-1800-S-C-E2 EF or equivalent)

- Resolution $\geq$ 1.8mega pixels
- Frame rate $\geq$ 600fps @ 1.8mega pixels
- Weight < 1kg
- Operating temperature: -20~50°C or more

D. Others

- Four (4) 25G Network Interface cards(Nvidia Mellanox ConnectX-6 or equivalent) should be included and compatible with sensor unit
- Power cables for the sensor units should be included
- Canon EOS mount should be installed on the sensor units and control the lenses remotely

4. Shipment

The contractor shall ship the entire commodities within 3 months from the effective date of the contract.

5. Documentation

The contractor shall prepare and deliver the technical document regarding hardware and software.

6. Warranty

The contractor shall warrant the optical sensor units for a period of one year after completion of delivery. The contractor shall provide the standard warranty services during the warranty period without extra charges.

7. Payment Schedule

The payment schedule is based on the below table.

Table 1. Payment Schedule

NO	Milestone	Contract Value	Required Document
1	After Shipping	90%	Shipping Documents
2	Acceptance Inspection	10%	Implementation Certificate
Total Amount of Contract value		100%	

8. Evaluation

The proposals are to be evaluated during the period of evaluation. The draft guidance for technical evaluation score excepting the bidding price is given in the following table.

Evaluation category	Evaluation items	Score
Specifications	10GigE Sensors and NIC	
	Resolution	30
	Framerate @ Full resolution	50
	EOS mount and remote lens control	10
	Weight	5
	Operating temperature	5

During evaluation, supplementary information could be requested to clarify the meaning of the proposals.