

# CAMIRA® INFRARED FOCAL PLANE ARRAY EVALUATION and DEMONSTRATION SYSTEM PRICE LIST (Effective March 1, 2015)

## BASIC CAMIRA® EVALUATION and DEMONSTRATION SYSTEM

| Part Number     | Description   | Unit Price          |
|-----------------|---|---------------------|
| <b>CIR-BASE</b> | CamIRa® head with one CIR-ACLK card (4 FPA clocks), one CIR-ABIAS card (4 FPA bias supplies) and one CIR-AD14HS A/D card (2 channels). CamIRa® digital electronics board set consisting of one CIR-PG40 and one CIR-10G-160. CamIRa® software and timing editor software. All interface cables except FPA cabling. Two days of training at SE-IR. | <b>\$ 46,500.00</b> |

## RADIOMETRIC TESTING

| Part Number       | Description   | Unit Price          |
|-------------------|---|---------------------|
| <b>CIR-QKTEST</b> | JDV Quicktest. Dave Vincent's radiometric testing software package for automated radiometric testing and report generation. Automatically collects and analyzes data captured from the CamIRa® software. Analyses include linearity, dynamic range, transimpedance, QE, NEI, RrA, excess current and I-V sweeps for detector bias determination. Three days of training at SE-IR. | <b>\$ 30,000.00</b> |

## ADD-ON CAMIRA® HEAD CARDS

| Part Number       | Description   | Unit Price         |
|-------------------|---|--------------------|
| <b>CIR-ACLK</b>   | CamIRa® computer controlled adjustable clock driver card. Four channels per card. Maximum of 4 cards per CIR-BASE system. | <b>\$ 1,875.00</b> |
| <b>CIR-ABIAS</b>  | CamIRa® computer controlled adjustable bias card. Four bias supplies per card. Maximum of 3 cards per CIR-BASE system.    | <b>\$ 1,600.00</b> |
| <b>CIR-AD14HS</b> | Two channel 20 MSPS per channel 14-bit A/D card.  | <b>\$ 4,750.00</b> |
| <b>CIR-AD16</b>   | Four channel 2 MSPS per channel 16-bit A/D card.  | <b>\$ 5,950.00</b> |
| <b>CIR-DIG16</b>  | 16-bit digital input card.  | <b>\$ 2,700.00</b> |
| <b>CIR-DVM2</b>   | 40 channel HP34980A DVM. Includes cabling and built-in CamIRa® software support.  | <b>\$ 5,900.00</b> |

## CAMIRA® DIGITAL ELECTRONICS BOARDS and SOFTWARE

| Part Number        | Description  | Unit Price          |
|--------------------|--|---------------------|
| <b>CIR-PG40</b>    | Timing pattern generator board and timing pattern editor software. Included with CIR-BASE. | <b>\$ 12,500.00</b> |
| <b>CIR-10G-160</b> | 10 GigE frame grabber with CamIRa® software, 160 MSPS                                      | <b>\$ 8,500.00</b>  |
| <b>CIR-10G-320</b> | 10 GigE frame grabber with CamIRa® software, 320 MSPS                                      | <b>\$ 12,500.00</b> |
| <b>CIR-CAMIRA</b>  | CamIRa® application software.  | <b>\$ 3,000.00</b>  |
| <b>CIR-LOGICIF</b> | Logic and interface card.  | <b>\$ 2,450.00</b>  |

SE-IR Corporation • 87 Santa Felicia Dr. • Goleta, CA 93117 • (805) 571-6800 • FAX (805) 571-3434  
www.seir.com

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## CAMIRA<sup>®</sup> CABLES

| Part Number      | Description                                   | Unit Price |
|------------------|---|------------|
| <b>CIR-RS25</b>  | 25' parallel RS-422 high-speed cable.         | \$ 150.00  |
| <b>CIR-RS50</b>  | 50' parallel RS-422 high-speed cable.         | \$ 225.00  |
| <b>CIR-RS100</b> | 100' parallel RS-422 high-speed cable.        | \$ 425.00  |
| <b>CIR-PWR12</b> | Power supply cable. Included with CIR-BASE.   | \$ 250.00  |
| <b>CBLE-ST</b>   | Standard cable set. Maximum of 22 coax lines. | \$ 750.00  |
| <b>COAX-SMA</b>  | Additional lines for standard cable set.      | \$ 35.00   |

## MISCELLANEOUS CAMIRA<sup>®</sup> PRODUCTS

| Part Number       | Description   | Unit Price   |
|-------------------|---|--------------|
| <b>CIR-RTVID</b>  | Real-time digital data capture to disk. Includes PCI frame capture, Streams5 software from IO Industries, 1.5 Tbyte high speed RAID storage and rack mount computer chassis with Windows 7. Call for current configuration. | \$ 19,750.00 |
| <b>CIR-HDHS</b>   | High-speed CamIRa <sup>®</sup> head hardware, backplane, trigger/sync, voltage reference card and LVDS interfaces. Included with CIR-BASE.  | \$ 9,500.00  |
| <b>CIR-HDHS2</b>  | Rackmount camera head with extended backplanes.   | \$ 13,500.00 |
| <b>CIR-PWR</b>    | CamIRa <sup>®</sup> low noise DC power supply +/-15V @3A, +/-5V @1.5A, +5V @3A. Included with CIR-BASE. Includes one power supply cable.  | \$ 2,000.00  |
| <b>CIR-PWR2</b>   | Rackmount power supply, +/- 15V @5A, +/-5V@6A, +5V @2A, +12V @0.5A (isolated power for 12VDC fans). Includes two power supply cables.   | \$ 3,900.00  |
| <b>CIR-8CHBUF</b> | Eight channel buffer card.  | \$ 1,200.00  |

## RACK MOUNT COMPUTER

| Part Number       | Description   | Unit Price  |
|-------------------|---|-------------|
| <b>CIR-SERVER</b> | Rack mount RAID server chassis, dual processors, 1.2 Tbyte high speed RAID storage, cordless keyboard and mouse, DVD-RW, and Windows 7. Call for current configuration. | \$ 8,300.00 |

## ENGINEERING SUPPORT LABOR AND MAINTENANCE

| Part Number       | Description   | Unit Price    |
|-------------------|---|---------------|
| <b>CIR-ELABOR</b> | Engineering labor for NRE or technical development support. | \$ 150.00/Hr. |

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**SMALL CAMERA HEAD ELECTRONICS** The small camera head electronics are built for a specific type of ROIC which must be indicated at the time an order is placed. Certain ROIC setups require additional integration labor (CIR-ELABOR @\$150.00/Hr). The small camera head electronics include all the mating MDM connectors. A small camera head can be returned to SE-IR to change the type of ROIC at an additional cost.

| Part Number       | Description  | Unit Price          |
|-------------------|--|---------------------|
| <b>CIR-CMHD4</b>  | Small camera head electronics, 4 A/D channels.                                 | <b>\$ 18,100.00</b> |
| <b>CIR-CMHD8</b>  | Small camera head electronics, 8 A/D channels.                                 | <b>\$ 21,200.00</b> |
| <b>OPT-CMLINK</b> | CameraLink option for small camera electronics.                                | <b>\$ 1,900.00</b>  |
| <b>OPT-USB2</b>   | USB option for small camera electronics.                                       | <b>\$ 450.00</b>    |
| <b>CIR-PT1000</b> | CAT6 GigE Vision interface for small camera with CamlRa <sup>®</sup> software. | <b>\$ 4,250.00</b>  |

## DISCLAIMER

AS WITH ANY GENERAL PURPOSE TEST SYSTEM, THE SETUP FOR OPERATING AN FPA OR OTHER DEVICE IS VERY SPECIFIC FOR THAT DEVICE. IMPROPER SETUP AND OPERATIONS CAN DAMAGE AND EVEN DESTROY THE DEVICE BEING TESTED. IT IS IMPERATIVE AND CUSTOMARY FOR THE USER TO VERIFY PROPER SIGNAL LEVEL AND CONNECTIONS BEFORE INSTALLING A REAL DEVICE. MOST USERS VERIFY SYSTEM SETUP USING AN EXPENDABLE PART SO THAT IF AN IMPROPER SETUP IS USED A GOOD PART WILL NOT BE DAMAGED. THE USER UNDERSTANDS IN USING THIS EQUIPMENT THAT THEY ARE SOLEY LIABLE FOR ANY DAMAGE THAT MAY RESULT TO THE DEVICE BEING TESTED OR OPERATED.

## LIMITED WARRANTY

WARRANTY OF EQUIPMENT EXCLUDES THE DEVICE BEING TESTED OR OPERATED.

SE-IR CORPORATION WARRANTS ITS PRODUCTS TO OPERATE IN ACCORDANCE WITH ITS SPECIFICATIONS FOR A PERIOD OF 1 YEAR FROM DATE OF RECEIPT. THIS WARRANTY EXTENDS ONLY TO THE PARTS MANUFACTURED OR FABRICATED BY SE-IR CORPORATION. SOFTWARE PROVIDED WITH THE CAMIRA SYSTEM IS COVERED UNDER THE TERMS OF THE SOFTWARE LICENSE AGREEMENT. PARTS PROVIDED BY CUSTOMERS OR OTHER MANUFACTURERS ARE SOLELY THE RESPONSIBILITY OF THE RESPECTIVE SUPPLIER; THIS INCLUDES BUT IS NOT LIMITED TO LENS AND FILTER ASSEMBLIES. LIABILITY IS LIMITED SOLELY TO THE REPAIR OF DEFECTIVE EQUIPMENT MANUFACTURED OR FABRICATED BY SE-IR CORPORATION. IN NO EVENT SHALL SE-IR CORPORATION BE LIABLE FOR OTHER DAMAGES RESULTING FROM THE MALFUNCTION OR DEFECTIVE OPERATION OF THE EQUIPMENT INCLUDING BUT NOT LIMITED TO DAMAGE TO THE DEVICE BEING TESTED OR OPERATED. IN ANY EVENT SE-IR CORPORATION'S TOTAL LIABILITY SHALL NOT EXCEED THE PURCHASE PRICE OF THE SYSTEM. NO WARRANTY OF EQUIPMENT IS PROVIDED FOR ANY EQUIPMENT NOT PAID FOR IN FULL.

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This agreement is governed by the laws of the state of California.

Warranty 1 year parts and labor does not include normal wear and tear, abuse or modifications made by customer.

Software is provided under a License Agreement.

Terms are net 30 days on approved credit. All orders are F.O.B. Goleta, CA unless quoted otherwise.

*SE-IR Corporation reserves the right to change prices or configuration at any time without notice.*

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