

Date: Thursday, April 1, 2010
To: Lumenera Scientific Partners
From: Darren Bessette, Scientific Product Manager



**Re: End of Life (EOL) Notice
INFINITYX-21 Color Cameras
 Product News #10-Sci-02**

Lumenera is providing notice regarding the end of life (EOL) for its INFINITYX-21 color cameras, including specialized variants of these models. Please note that the monochrome cameras are not affected.

We sincerely regret the sudden change. The abrupt transition is outside of our control and relates to inconsistent quality of image sensors currently available from suppliers dealing in these components. Lumenera expects to cease shipments of the affected products by October 23, 2010.

We are pleased to continue offering our high quality INFINITYX-32, using similar, higher resolution technology. To support you with ongoing sales, for the next 3 months until June 30, 2010 special offers are being made on the INFINITYX-32. Contact your local dealer / distributor for more details.

We regret any inconvenience that discontinuing this product may cause your organization. Our support and sales staff are available to assist you in any way possible. For any questions regarding order, pricing and availability contact tenaha.moxon@lumenera.com or your Business Development Representative. For Technical Support please contact us at support@lumenera.com.

We thank you for your cooperation in this product transition.

Model to be discontinued:

Camera Model	End of Sale (EOS)	End of Life (EOL)
INFINITYX-21C	April 23, 2010	October 23, 2010

End of Sale/End of Life:

Lumenera will continue to take orders for these products from existing customers until the end of sale (EOS) date of April 23, 2010. We have limited availability of the existing color image sensors; however, we will fulfill as much demand as possible. Please note that all cameras must be scheduled for shipment before the EOL date of October 23, 2010. All orders are subject to credit department approval, and are firm and non cancelable. As quantities are limited please place orders with a suitable lead time so as to guarantee availability. Should you require more cameras over and above your current run rate, please contact your Business Development Representative with a forecast to ensure full delivery.

Alternative products:

To support you with ongoing sales we are pleased to continue offering our high quality INFINITYX-32, using similar higher resolution technology. Please refer to the table on page 3 of this notice for a list of specifications. Lumenera will work with you on a transition plan to ensure we meet your existing obligations and future application needs.

Substitutions:

Although we will fulfill as much demand as possible, we will be unable to offer an equivalent substitute once our stock is depleted.

Technical support/repair policy:

Customers will continue to receive existing levels of technical support for these cameras. Standard warranties apply. Lumenera reserves the right to substitute new parts as required on cameras returned to the factory for repairs. This policy may be subject to other customer-specific service level agreements.

Monochrome variants are not affected:

Please note that monochrome variants of the same cameras are not affected by this change. Please contact your Business Development Representative for more information.


Contact Information:

Should you have questions or concerns please contact your Lumenera Business Development Representative, or Tenaha Moxon, Senior Sales Coordinator, at tenaha.moxon@lumenera.com / +1-613-736-4077 x 180.

Alternative product / specifications:

Lumenera will work with you on a transition plan to ensure we meet your existing obligations and future application needs. The table below lists the suggested replacement model. Please contact your Business Development Representative for more information.

RECOMMENDED
DIRECT
REPLACEMENT



Specifications	DISCONTINUED INFINITYX-21C	INFINITYX-32C
Availability	EOL	Immediately
Compliance Specifications	FCC Class B/CE	FCC Class B/CE
Sensor Type	CMOS	CCD
Dimensions (W"xH"xD")	2.75 x 3.85 x 2.00	2.75 x 3.85 x 2.00
Dynamic Range	>60db	>60db
Effective Pixels (W x H)	1280 x 1024	1600 x 1200
Exposure Control	Auto / Manual	Auto / Manual
Frame Rates (8-bit video mode)		
Full (Max) Resolution	30 fps	12 fps
640x480 (VGA) Resolution	100 fps	100 fps
Gain Control	Auto / Manual	Auto / Manual
Image Format	1/2"	1/2"
Integration Time	64µs - 3s	67µs – 2s
Interface Connector	USB 2.0	USB 2.0
Lens Mount	C-Mount	C-Mount
Mass	300g	300g
Operating Humidity	5%-95%, non condensing	5%-95%, non condensing
Operating Temperature	0-50°C	0-50°C
Pixel Depth	8 and 10-bits	8 and 12-bits
Pixel Size	5.2 µm ²	4.2 µm ²
Power Consumption	3 W	3 W
Power Requirements	6V, 500mA external power supply (optional)	5V, 500mA external power supply (optional)
ROI	User selectable, frame rate increases size is reduced proportionally	User selectable, frame rate increases size is reduced proportionally
Sensor Package Size (W x H)	6.6mm x 5.3mm	6.7mm x 5.0mm
Shutter Type	Rolling Shutter	Global Shutter
Spectral Response	Refer to datasheet	Refer to datasheet
White Balance Control	Auto / Manual	Auto / Manual