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De: CEK Informática <cekinformatica@gmail.com>
Enviado em: segunda-feira, 2 de dezembro de 2024 19:39
Para: Licitação FURB
Assunto: Recurso PE 249/2024
Anexos: Projector Central - ScreenPlay Genesis II SP226.pdf; DLP Texax Instrument Billion Colors.pdf; Recurso Furb.pdf; ScreenPlay Genesis II Series SP226.pdf

Boa Tarde

Segue em anexo o recurso.

Att
Eduardo

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PREGÃO ELETRÔNICO Nº. 249/2024
RECURSO

CEK INFORMÁTICA LTDA., pessoa jurídica de direito privado, inscrita no CNPJ sob nº 00.949.640/0001-42, com sede na Rua Pedro Hilgenstieler, 91, Centro, na cidade de São Bento do Sul, Estado de Santa Catarina, por seu representante legal infra-assinado, vem tempestivamente, à presença de Vossa Senhoria, a fim de interpor recurso contra a desclassificação da própria, do lote 3 do **PREGÃO ELETRÔNICO Nº. 249/2024**.

DOS FATOS

A empresa CEK INFORMÁTICA LTDA. foi desclassificada do lote 3 do pregão supracitado, com a justificativa de que o equipamento ofertado não atende às exigências do edital e que algumas informações não foram validadas ou encontradas.

Segue abaixo parte do documento “Análise das propostas”, publicado no sítio onde ocorre o certame, com o motivo da desclassificação:

4ª proposta – DESCLASSIFICADA – CEK Informática

- **Luminosidade mínima: 3.500 ANSI Lumens**
 - Projetor ofertado possui 4000 Lumens, edital solicita ANSI Lumens
- **Reprodução de cores: 1 bilhão de cores de cores;**
 - Especificação não foi localizada na documentação fornecida nem no site oficial do fabricante.
- **Vida útil fonte de luz:**
 - **Mínimo de 5.000 horas em modo normal**
 - **Mínimo de 10.000 horas em modo de economia**
 - Especificação não localizada na documentação fornecida, no manual do fabricante, especifica somente o tempo máximo de vida útil da lâmpada (15000 hora)
- **Cores: 16,7 Milhões (24 bits) ou superior**
 - Especificação não foi localizada na documentação fornecida nem no site oficial do fabricante.

Como pode ser observado, é dito que o projetor não possui *ANSI Lumens*, que a reprodução de cores não foi localizada, que a vida útil da fonte de luz no modo normal e no modo econômico não foram localizadas e que, novamente, a reprodução de cores não foi localizada.

Vale mencionar ainda que, ou o projetor tem 16,7 milhões de cores ou tem 1 bilhão. Portanto, entendemos que deve ter 1 bilhão por ser o maior valor; no edital a especificação está duplicada, solicitando valores divergentes um do outro.

No entanto, o equipamento que ofertamos, o *INFOCUS SP226*, está de acordo com o padrão *ANSI Lumens*, possui reprodução de 1,073 bilhão de cores e a vida útil da lâmpada no modo normal e no modo estendido, em horas, é superior à exigida.

1. **ANSI Lumens:** O projetor INFOCUS SSP226 está em conformidade com o padrão ANSI, conforme pode ser verificado no site *Projector Central*, o maior fórum sobre projetores e reconhecido mundialmente: https://www.projectorcentral.com/ScreenPlay-Genesis_II_SP226.htm. Abaixo, segue a especificação do equipamento acessada no link mencionado, que indica que ele possui *4000 ANSI Lumens*:

ScreenPlay Genesis II SP226 Projector Specifications

Street Price \$426 (USD)	Status Shipping
MSRP \$659 (USD)	Released January 2024
Best Used For  K-12 Education	Warranty 2 Years
 Corporate/Business	User Reviews Review this Projector

https://www.projectorcentral.com/ScreenPlay-Genesis_II_SP226.htm#specs

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ScreenPlay Genesis II SP226 DLP Projector Specs

Brightness	4,000 Lumens (ANSI)¹
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- Como pode ser observado, o projetor, de acordo com o maior fórum de projetores reconhecido mundialmente, Projector Central, está em conformidade com o padrão ANSI.
- Caso necessário, podemos enviar uma declaração oficial do fabricante, confirmando que o projetor possui 4000 ANSI Lumens. Apesar de já comprovado pelo referido site.
2. **Reprodução de cores: 1 bilhão de cores:** De acordo com o site oficial do fabricante, o projetor utiliza a tecnologia de projeção DLP®, (com a tecnologia BrilliantColor, pág 07 manual anexo) desenvolvida pela Texas Instruments. A DLP é uma tecnologia que permite a projeção de mais de 1 bilhão de cores. Segue, abaixo, documento oficial da Texas Instruments que comenta sobre a tecnologia reproduzir um bilhão de cores:

Approved description of BrilliantColor technology in any promotional, advertising, instructional, or reference materials, or on websites, products, labels, or packaging.

Most (or All) < brand name > projectors feature Texas Instruments DLP® BrilliantColor™ technology designed to improve the optical efficiency of DLP display engines. For UHP lamps, this technology is able to achieve up to 50% improvement in brightness over traditional three color solutions. BrilliantColor technology offers up to six-color processing enabling a wide color gamut and making it possible to produce over one billion colors. The wide color gamut is better suited to accurately display colors found in nature, giving the viewer a truly life-like image. Now, you can experience color modes designed to match typical home and office viewing conditions.

Portanto, o projetor *INFOCUS SP226*, possui reprodução de cores de 1 bilhão de cores.

Mais informações a respeito da tecnologia DLP podem ser encontradas no documento oficial que está anexado junto ao recurso.

- 3. Vida útil da fonte de luz:** Como a vida útil da lâmpada é de 15000 horas no modo dinâmico, logo, a vida útil em modo econômico é de 10000 horas e no modo normal é de 5000 horas. Dessa forma, superior ao exigido; essa subdivisão de Modo normal, Eco e estendido é padrão em projetores DLP.

Não foi realizada solicitada diligência alguma em relação as comprovações, no catálogo não a informação que desqualifique o projetor apresentado. Entendemos que a diligência seria a forma correta para prosseguimento da análise das propostas.

DOS PEDIDOS

Diante do exposto, solicitamos a reclassificação da empresa CEK INFORMÁTICA LTDA. para o lote 3.

São Bento do Sul, SC, 02 de dezembro de 2024.

CARLOS EDUARDO KELLNER

– RG 4.080.137 –

SÓCIO DIRETOR



ScreenPlay Genesis II SP226 Projector

WXGA Conference Room Projector

Highlights

From ScreenPlay – The ScreenPlay Genesis II DLP projectors offer outstanding ultra-long lamp life, high brightness, and superb connectivity, which includes 2 HDMI ports. It is designed for classroom, office, and home use. Short-throw models for education, for use with interactive whiteboards, add further versatility to the Genesis II series. Power your external devices like Google Chromecast with Amazon TV with the convenient USB-A input on the projector.

- Perfect images
- Vibrant colors
- Outstanding readability and contrast
- Compact and lightweight form
- Versatile portable display solution
- 30,000:1 dynamic contrast ratio

ScreenPlay Genesis II SP226 Projector Specifications

Street Price \$426 (USD)	Status Shipping
MSRP \$659 (USD)	Released January 2024
Best Used For  K-12 Education	Warranty 2 Years
 Corporate/Business	User Reviews Review this Projector



Brightness

4,000 Lumens (ANSI)¹

Resolution

1280x800

Aspect Ratio

16:10 (WXGA)

Dynamic Contrast

30,000:1

Display Type

0.70" DLP x 1

Color Processing

10-bit

Video Modes

720p, 1080i, 1080p/60, 1080p/24, 1080p/50, 576i, 576p, 480p, 480i

Data Modes

MAX 1920x1200

3D Modes

Full HD 3D

Lamp Type

UHP bulb

Included Lens

1.1x manual zoom , manual focus

Optional Lenses

No

Lens Shift

No

Throw Distance

3.3' - 32.8' [Calculate Throw Distance](#)

Image Size

26.99" - 301.40"

Throw Ratio

1.54:1 - 1.72:1 (D:W)

Projector Placement

For a " diagonal screen, place the projector lens between 10'-11" and 12'-2" from the screen.

Digital Zoom

Yes

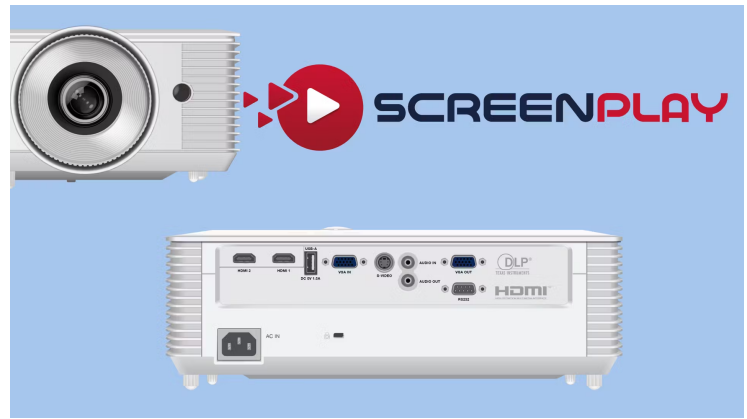
Digital Keystone

Vertical only

Projector Size	3.80" x 12.40" x 9.30" (HxWxD)
Weight	6.4 lbs
Audible Noise	27 dB
Internal Speakers	10.0 Watts Mono
Power	267 Watts 100V - 240V
Connection Panel	Audio In: Mini Jack Audio Out: Mini Jack HDMI 1.4 x 2 RS232: DB-9pin S-Video USB x 2 VGA In: Dsub-15pin VGA Out: Dsub-15pin
Features	Closed Captioning DICOM Operate 24/7 Full HD 3D Blackboard Mode

¹ "Lumens (ANSI)" measured in accordance with ANSI IT7.228

SCREENPLAY GENESIS II SERIES SP226



WXGA - 4000 * - 16:10 Aspect Ratio

The ScreenPlay Genesis II DLP projectors offer outstanding ultra-long lamp life, high brightness, and superb connectivity, which includes 2x HDMI ports. Designed for classroom, office, and home use, they provide:

- Perfect images.
- Vibrant colours.
- Outstanding readability and contrast
- Compact and lightweight form.
- Versatile portable display solution.

Short-throw models for education for use with interactive whiteboards add further versatility to Genesis II.

The complete Genesis Series is also easy on the eye with its sleek matte white finish, understated branding with accessories to match.

Features

Full 3D

Display 3D content from almost any 3D source, including 3D Blu-ray players and the latest game consoles.

USB-A Power for Devices

Power your external devices like Google Chromecast with Amazon TV with the convenient USB-A input on the projector.

Industry-leading Lamp Life

An unprecedented 15,000 hours of lamp life when used in Dynamic Mode. With no filters to replace.

High Brightness

Get better, brighter images on any surface, in any light, with 4000 lumens on the standard throw models and 3800 lumens on short throw models.

Advanced Digital Image Correction

With the new digital edge masking and image shift features – we make getting those final image adjustments perfect.

24/7 Operation

They are designed to operate 24 hours a day in standard orientation. Perfect for applications where prolonged periods of use are required.

Image

Projection Technology	Texas Instruments DLP®
Panel Size	0.65" DMD
Native Resolution	WXGA
Pixels	1280 X 800
Aspect Ratio	16:10
Contrast Ratio	30000:1
Brightness (Lumens)	4000
Light Source	UHP Lamp
Light Source Life Maximum Hours	15000
Maximum Supported Resolution	1920 x 1200
Horizontal Sync. Range (KHz)	15 ~ 97.55
Vertical Sync. Range (Hz)	54 ~ 85
Uniformity (%)	80

Optical

Lens	1.1x
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Lens Zoom Adjustment	Manual
Optional Lenses	-
Image Offset (%)	112.4
Focal Length (mm)	21.85 ~ 24.01
F-Stop	2.7
Vertical Lens shift (%)	-
Horizontal Lens shift (%)	-
Keystone Adjustment	Manual
Vertical Keystone Correction	± 40°
Horizontal Keystone Correction	-
Projection Factor	1.54 ~ 1.72:1
Projection Distance (Meters/Feet)	1.0 ~ 10.0 / 3.28 ~ 32.80
Optical Zoom	1.1:1
Digital Zoom Demagnification / Magnification	0.8x ~ 2.0x
Focus Adjustment	Manual

Connectivity

Inputs	Mini D-sub 15-pin (VGA), S-Video, 2 x HDMI™ 1.4, 3.5 mm Stereo Mini Jack, USB-A for Service
Outputs	3.5 mm Stereo Mini Jack, Powered USB-A for Wireless Dongle, Mini D-sub 15-pin (VGA)
Networking & Control	RS232
Embedded System	-
3D	Full 3D All Major Formats

Power

Power Supply	100 ~ 240 V AC; 50 ~ 60 Hz
Power Consumption Max (W)	267

Power Consumption Min. (W)	210
Power Consumption Network Standby (W)	-
Power Consumption Standby (W)	<0.5

General

Product Dimensions (W x H x D) (mm / in)	313 x 236 x 96.4 /12.4 x 9.3 x 3.8
Product Weight (Kilograms/Pounds)	2.9 / 6.4
Packaged Dimensions (L x W x H) (mm / in)	395 x 337 x 166 / 15.6 x 13.3 x 6.5
Packaged Weight (Kilograms/Pounds)	4.1 / 9.0
Fan Noise (dB)	27
Audio (W)	1 x 10
Operating Temperature (Celsius/Fahrenheit)	5 ~ 40 / 41 ~ 104
Operating Humidity (%)	10 ~ 85
Max Operating Altitude (meters / feet)	3048 / 10000
Storage Temperature (Celsius/Fahrenheit)	-10 ~ 60 / 14 ~ 140
Storage Humidity (%)	10 ~ 85
Security	Kensington Security Slot™, PIN Code Lock & Timer
Safety and Regulatory	CB, CE, EAC, cTUVus, CCC, FCC, UKCA, NOM, PSB, BIS
Environmental	WEEE, EU RoHS, China RoHS, CEL, CECP

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Texas Instruments DLP® Trademark Guidelines for BrilliantColor™



Who do these guidelines apply to?

These guidelines are for TI DLP® Products customers, licensees, and other parties who manufacture and/or sell projectors with DLP technology and wish to use DLP trademarks, service marks or images in promotional, advertising, instructional, or reference materials, or on their websites, products, labels, or packaging. Use of DLP trademarks may be prohibited, unless expressly authorized.

If your product(s) features BrilliantColor™ technology and you have been provided with the **TRADEMARK LICENSE AGREEMENT**, please follow **Section 4: Proper Usage of Licensed Trademarks** and the trademark guidelines for BrilliantColor technology below. If your agreement with Texas Instruments to manufacture and/or sell products with BrilliantColor technology does not provide usage guidelines, then follow the guidelines below.

If you manufacture and/or sell any products using DLP products without BrilliantColor technology, you are not authorized to use the BrilliantColor trademark on any of your advertising, promotional, sales materials, merchandise items, or on your website

1. Always place Texas Instruments DLP or TI DLP with proper mark before BrilliantColor with TM followed by an approved noun in the first occurrence in headlines and body copy (Texas Instruments DLP® BrilliantColor™ technology; TI DLP® BrilliantColor™ technology). Second and later uses in the body copy can drop Texas Instruments DLP and/or TI DLP and the TM symbol but must still be followed by an approved noun (BrilliantColor technology; BrilliantColor feature).
2. BrilliantColor should always be one word with a capital B and a capital C
3. It should always be referenced in the fine print of literature or on the web as follows:
DLP® and the DLP logo are registered trademarks of Texas Instruments.
BrilliantColor™ is a trademark of Texas Instruments.
4. There is no special treatment or logo design for the word BrilliantColor.
5. The approved nouns that must follow BrilliantColor are “technology” and “feature” (DLP® BrilliantColor™ technology; DLP® BrilliantColor™ feature).
6. TI supplied sticker artwork (see below) can be applied directly to the projector housing, packaging, manuals and literature. You may also incorporate the sticker design directly into the design of literature, packaging, manuals and web material. You may not silkscreen the BrilliantColor wordmark name on the product case or other materials directly.
7. If packaging and/or manuals are printed in one color, the sticker artwork may be printed in one grayscale color as well, but this is not recommended.
8. The sticker artwork is designed to be 1 1/2 inches square. It may also be printed at a larger or smaller size, but no smaller than 1 inch square.

Trademark Guidelines (continued)

Approved description of BrilliantColor technology in any promotional, advertising, instructional, or reference materials, or on websites, products, labels, or packaging.

Most (or All) < brand name > projectors feature Texas Instruments DLP® BrilliantColor™ technology designed to improve the optical efficiency of DLP display engines. For UHP lamps, this technology is able to achieve up to 50% improvement in brightness over traditional three color solutions. BrilliantColor technology offers up to six-color processing enabling a wide color gamut and making it possible to produce over one billion colors. The wide color gamut is better suited to accurately display colors found in nature, giving the viewer a truly life-like image. Now, you can experience color modes designed to match typical home and office viewing conditions.

If you have questions regarding usage of the BrilliantColor trademark, please contact the DLP Brand Team at dlpbrand@list.ti.com.



Approved sticker design – Shown recommended size.



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TI has specifically designated certain components as meeting ISO/TS16949 requirements, mainly for automotive use. In any case of use of non-designated products, TI will not be responsible for any failure to meet ISO/TS16949.

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