

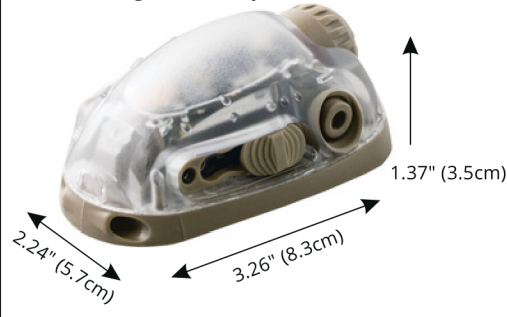
# TeleEye

# Trilobyte Helmet Light Gen2

Programmable Beacon, 4 Output Colors

TM

3.07oz (87.1g) w/ Battery



PRODUCT NUMBER: 02902

NSN: 5855-5200-128379

## TECHNICAL SPECIFICATIONS

BATTERY SOURCE  
ATTACHMENT METHOD  
HOUSING COLORS AVAILABLE  
HOUSING MATERIAL  
HOUSING FINISH  
DOME LENS MATERIAL  
OPERATING TEMPERATURE

STORAGE TEMPERATURE

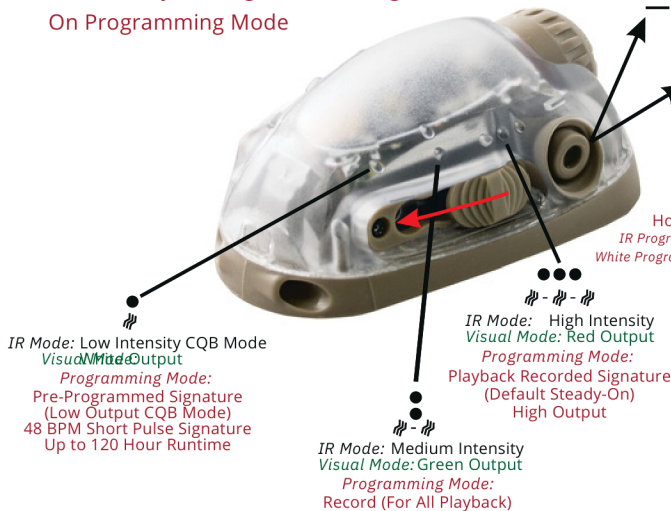
ENVIRONMENTAL SEAL  
WATERPROOF RATING  
VISIBILITY RANGE

One (1) AA Lithium (1.65Vdc) or AA Alkaline (1.5Vdc)  
3M Dual Lock (Installed on Base of Unit)  
Black and Tan  
High Impact Lens with Shock Absorbing Polymer Base  
Matte  
High Impact Polycarbonate (Textured)  
-40 to +60°C with AA Lithium; -20 to +60°C with Alkaline or Rechargeable AA  
-40 to +60°C with AA Lithium; -20 to +60°C with Alkaline or Rechargeable AA  
Hermetically Sealed Unit with Removable Battery Cap  
Ip67  
Up to 5km on High Intensity (Visual or Near IR) on a clear dark night (with no moon or contrasting backlighting)

## Functions Diagram

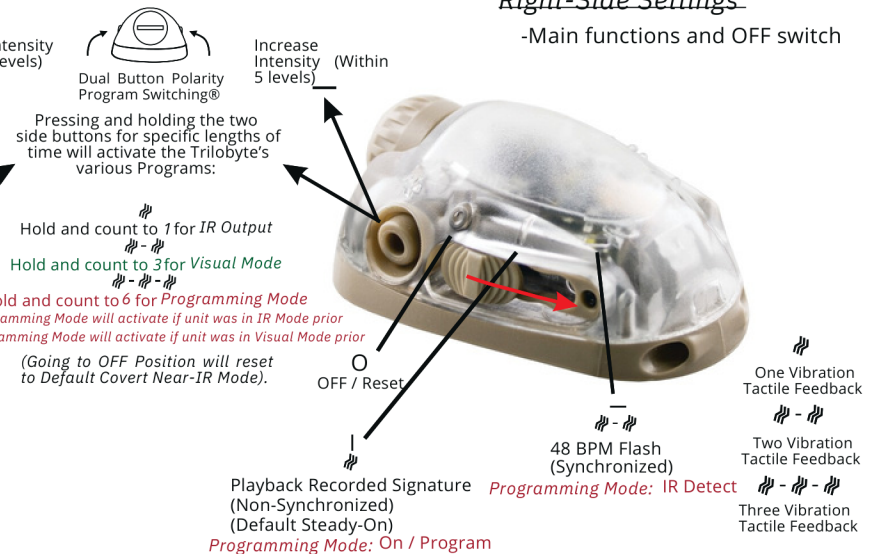
### Left-Side Positions

-Intensity & Output controls on IR & Visual Modes -**Playback Signature Settings**  
**On Programming Mode**



### Right-Side Settings

-Main functions and OFF switch



**\*IR Detect Function: Product will vibrate 5 times and flash for 5 seconds when exposed to a Near-IR Wavelength**

## Technology



### Dual Button Polarity Program Switching®

Separates groups of functions that can be switched between by holding down the two side buttons for specified periods of time.



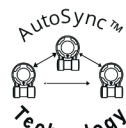
### MultiVibe™ with Positive Tactile Feedback

Product has raised position indicators for easy tactile feedback with fingers in gloves. Product also has vibrating feedback for each position (vibrates once for position 1, twice for position 2, etc.)



### Mockingbird® Technology

Allows users to record and playback their own unique flashing signatures with any external light source containing a near-IR wavelength, including sunlight.



### AutoSync™ Synchronized Flashing Patterns

Any beacon of the same model will flash in unison when set to specific synchronized flashing functions (Position II on the Right Side Controls, in this model).

Specifications subject to change without prior notice

P-PS-2902r4 June 2023

Distributed by:  
TeleEye (SA) (Pty) Ltd

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Bryanston, 2191, SA

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Sales@TeleEye.co.za

# TeleEye

## Trilobyte Helmet Light Gen2 Programmable Beacon, 4 Output Colors

TM

### Functions Table

#### CHANGING MODES

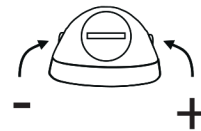
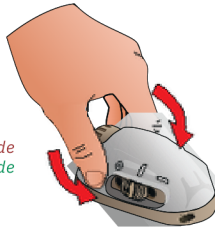
Hold and count to 3 then release for **Near-IR**

Hold and count to 3 then release for **Mode Visual**

Hold and count to 6 then release for **Programming Mode**

**Near-IR Programming Mode** will activate if unit was in **Near-IR Mode** prior **Visual Programming Mode** will activate if unit was in **Visual Mode** prior

(Going to OFF Setting will reset to Default to **Near-IR Mode**).



5 Levels of User Adjustable Intensity

Pressing and holding the two side buttons for specific lengths of time will activate the Trilobyte's various modes.

Each Mode contains its own set of functions that are toggled through the dual left-side and right-side control switches.

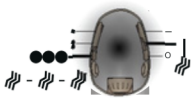
When individually pressed, they allow the user 5 levels of intensity control.

{DEFAULT MODE ON START UP}

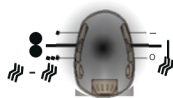
#### Near-IR Mode Functions

(Hold down side buttons (+) and (-), count to 1 then release.)

{Default on Start Up}



Default:  
NIR, [ Steady On ]



Default:  
NIR, [ Steady On ]



Default:  
NIR, [ Steady On ]

Recorded Signature:  
NIR, [Playback Recorded Signature]  
(Intensity High)



Recorded Signature:  
NIR, [Playback Recorded Signature]  
(Intensity Medium)



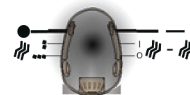
Recorded Signature:  
NIR, [Playback Recorded Signature]  
(Intensity Low)



Default:  
NIR, [ 48 BPM Flash ]  
(Intensity Adjustable)



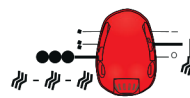
Default:  
NIR, [ 48 BPM Flash ]  
(Intensity Adjustable)



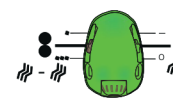
Default:  
NIR, [ 48 BPM Flash ]  
(Intensity Adjustable)

#### Visual Mode Functions

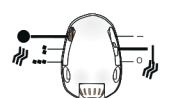
(Hold down side buttons (+) and (-), count to 1 or 3 then release)



Default:  
Red, [ Steady-On ]



Default:  
Green, [ Steady-On ]



Default:  
White, [ Steady-On ]

Recorded Signature:  
Red, [Playback Recorded Signature]  
(Intensity Adjustable)



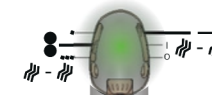
Recorded Signature:  
Green, [Playback Recorded Signature]  
(Intensity Adjustable)



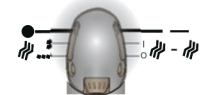
Recorded Signature:  
White, [Playback Recorded Signature]  
(Intensity Adjustable)



Default:  
Red, [ 48 BPM Flash ]  
(Intensity Adjustable)



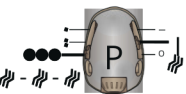
Default:  
Green, [ 48 BPM Flash ]  
(Intensity Adjustable)



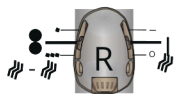
Default:  
White, [ 48 BPM Flash ]  
(Intensity Adjustable)

#### NIR Programming Mode Functions

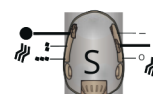
(From IR Mode, Hold down side buttons (+) and (-), count to 6 then release)



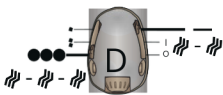
NIR, [Playback Recorded Signature]  
(Default: Steady-On)  
(Intensity Adjustable)



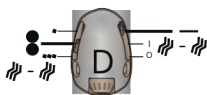
NIR, [Record]  
(Saved for all Playback)  
2 Flashes - START OF RECORDING  
1 Flash - END OF RECORDING



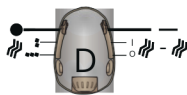
NIR, [Preprogrammed Signature]  
(Default: 48 BPM Flash)  
Low Intensity, 120 Hour+ Runtime  
(NOT SYNCHRONIZED)



NIR, IR Detect  
[5 Vibrations then 5 Flashes  
When Exposed to NIR Output]  
(Intensity Adjustable, Default: High)



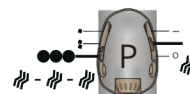
NIR, IR Detect  
[5 Vibrations then 5 Flashes  
When Exposed to NIR Output]  
(Intensity Adjustable, Default: Mid)



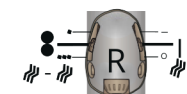
NIR, IR Detect  
[5 Vibrations then 5 Flashes  
When Exposed to NIR Output]  
(Intensity Adjustable, Default: Low)

#### Visual Programming Mode Functions

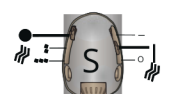
(From Visual Mode, hold down side buttons (+) and (-), count to 6 then release)



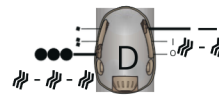
White, [Playback Recorded Signature]  
(Default: Steady-On)  
(Intensity Adjustable)



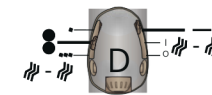
White, [Record]  
(Saved for all Playback)  
2 Flashes - START OF RECORDING  
1 Flash - END OF RECORDING



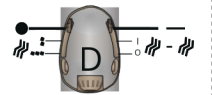
White, [Preprogrammed Signature]  
(Default: 48 BPM Flash)  
Low Intensity, 120 Hour+ Runtime  
(NOT SYNCHRONIZED)



Red, IR Detect  
[5 Vibrations then 5 Flashes  
When Exposed to NIR Output]  
(Intensity Adjustable)



Green, IR Detect  
[5 Vibrations then 5 Flashes  
When Exposed to NIR Output]  
(Intensity Adjustable)



White, IR Detect  
[5 Vibrations then 5 Flashes  
When Exposed to NIR Output]  
(Intensity Adjustable)



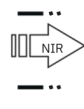
NV Scope  
(With IR Illuminator)



Flashlight



Sunlight



NIR



Record/Playback Functionality.



( ) ( )

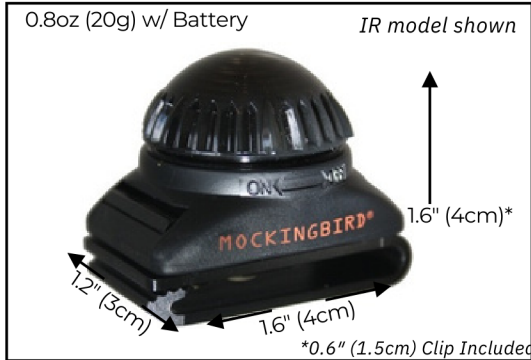
You may record in either IR or Visual Programming modes. Both will record for all (Visual and NIR) playback modes.

Wait for 2 flashes, then use any source of NIR to program the signature you require. Stop then wait for the confirmation of 1 flash - it is now recorded and saved. (To reset to default, record 5 seconds of Steady-On NIR.)

# TeleEye

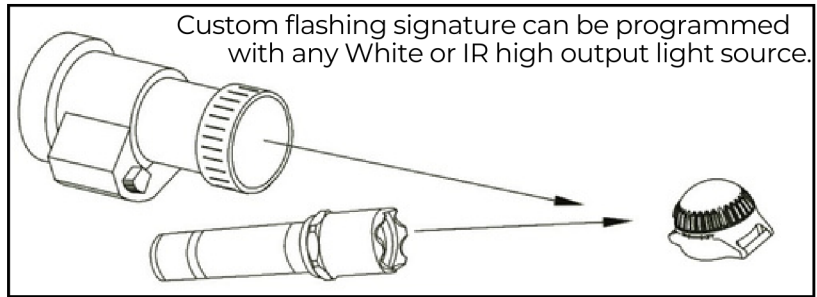
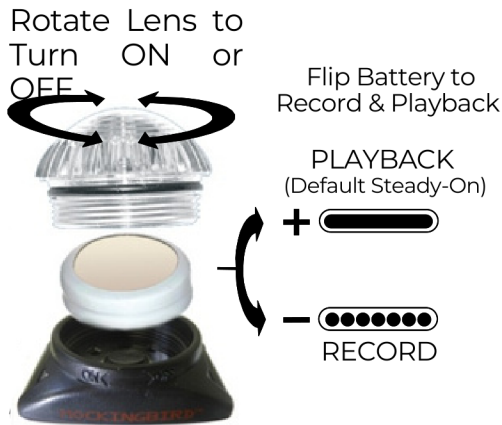
# Guardian Mockingbird<sup>®</sup> Programmable Signal Light

TM



## TECHNICAL SPECIFICATIONS

BATTERY SOURCE	6V Lithium Coin Cell Battery Pack
OPTIONAL BATTERY	(included) 2x Cr2032 3V Lithium Coin Cell
HOUSING COLORS AVAILABLE	Black
HOUSING MATERIAL	High Tech Polymer
HOUSING FINISH	Matte
DOMELENS	High Impact Polycarbonate
OPERATING TEMPERATURE	-20 to +65°C
STORAGE TEMPERATURE	-20 to +65°C
ENVIRONMENTAL SEAL	O-Ring
WATERPROOF RATING	100 Meters (328 Feet)



### BATTERY DURATION\*

Function	Duration (For all colors)
Playback Flash	User Programmable
Steady-On	~100 Hours

\*For indication purposes only.  
Duration may vary with temperature.



## Available in 5 Colors & IR



Specifications subject to change without prior notice

DOC. ID: P-PS-05035-CQBr4 Jan 2020

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TeleEye (SA) (Pty) Ltd

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Bryanston, 2191, SA

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Sales@TeleEye.co.za

# TeleEye

## Accessories for Guardian To Perfect Your Kit

TM



Magnetic Base

49001 P/N:

Clip-on attachment with a magnetic base that adheres to many metal surfaces.



Helmet Attachment

49002 P/N:

These simple two sided Velcro attachments allow for easy instalment onto the back of helmets for identification and crowd control coordination.



Wrist Strap

49004 P/N:

Stretch nylon strap that can be used to fasten the Guardian to the arm or wrist, or a multitude of other objects.



Bike

Mount P/N:

49005

Allows for easy attachment to most bicycles and poles.



Head

Strap P/N:

49006

Comfortable stretch nylon band with adjustable head that can be attached to any Guardian to make an effective head light. Can also be adjusted to fit wrist for hands free lighting.



Battery Pack Strip

P/N: 49010-S

The Guardian uses two common CR-2032 Lithium cell batteries. A pre-wrapped battery pack of two cells comes with all Guardian models. Additional packs are available in strips of four.

# TeleEye

TM

## Guardian Trident Helmet Light Tri-Spectrum Compact Beacon

1oz (28g) w/ Battery



### TECHNICAL SPECIFICATIONS

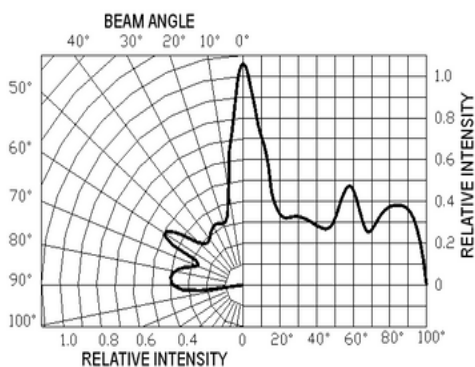
BATTERY SOURCE	2x Cr2032, 3V Lithium Coin Cell
AVAILABLE COLORS	Black, Tan (add -TAN to Product Number) High-Tech Polymer
HOUSING MATERIAL	Matte
HOUSING FINISH	High Impact Polycarbonate, Clear
DOMEL LENS	-20 to +65°C
OPERATING TEMPERATURE	-20 to +65°C
STORAGE TEMPERATURE	O-Ring
ENVIRONMENTAL SEAL	Over One Mile
VISIBILITY RATING	330Ft (100 Meters)
WATERPROOF RATING	Clockwise & Counterclockwise
SWITCH RING ROTATION	

### PRODUCT NUMBER

46201

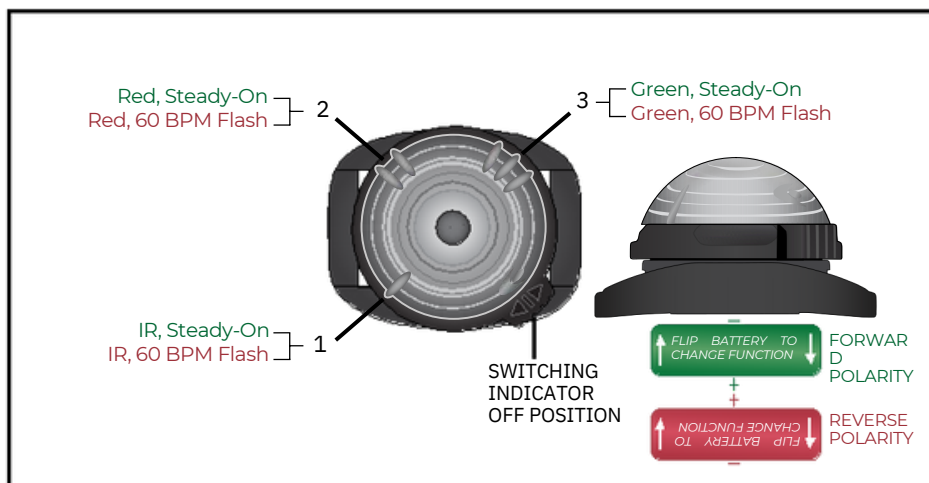
### LIGHT FUNCTIONS

#### Radiation Characteristics



**NOTES:**

1-Beam radiation angles are based on theoretical emitter values and Adventure Lights' proprietary field test results using proprietary equipment. Results may vary depending on type of equipment used.



Left: Trident unit shown installed onto helmet alongside VIPIR Helmet Light



Comes with velcro T-Strap for installing onto helmets, vests or other equipment

Specifications subject to change without prior notice

P-PS-46201r0 Jan 2018

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Sales@TeleEye.co.za

# TeleEye

## Accessories for Guardian<sup>TM</sup> To Perfect Your Kit

TM



Helmet Attachment  
P/N: 49002

These simple two sided Velcro attachments allow for easy instalment onto the back of helmets for identification and crowd control coordination.



Velcro  
Strap P/N:  
49003

6 inch velcro strap ideal for attaching the Guardian to pet collars, poles and other thin items.



Wrist  
Strap P/N:  
49004

Stretch nylon strap that can be used to fasten the Guardian to the arm or wrist, or a multitude of other objects.



Bike  
Mount P/N:  
49005

Allows for easy attachment to most bicycles and poles.



Head Strap  
P/N: 49006

Comfortable stretch nylon band with adjustable head that can be attached to any Guardian to make an effective head light. Can also be adjusted to fit wrist for hands free lighting.



Battery Pack Strip  
P/N: 49010-S

The Guardian uses two common CR-2032 Lithium cell batteries. A pre-wrapped battery pack of two cells comes with all Guardian models. Additional packs are available in strips of four.

# TeleEye

TM

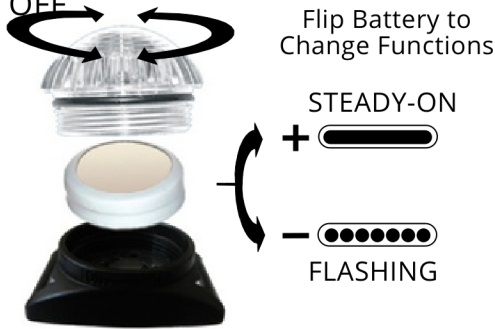
## Guardian Dual Function Omnidirectional Signal Light



### TECHNICAL SPECIFICATIONS

BATTERY SOURCE	6V Lithium Coin Cell Battery Pack
OPTIONAL BATTERY	(included) 2x Cr2032 3V Lithium Coin Cell
HOUSING COLORS AVAILABLE	Black
HOUSING MATERIAL	High Tech Polymer
HOUSING FINISH	Matte
DOME LENS	High Impact Polycarbonate
LENGTH	1.6" (4cm)
WIDTH	1.2" (3cm)
HEIGHT	1" (2.5cm) or 1.6" (4cm) w/ Belt Clip
WEIGHT	0.8oz (20g) w/ Battery
OPERATING TEMPERATURE	-20 to +65°C
STORAGE TEMPERATURE	-20 to +65°C
ENVIRONMENTAL SEAL	O-Ring
WATERPROOF RATING	100 Meters (328 Feet)

Rotate Lens to  
Turn ON or  
OFF



The Guardian is the lightest, brightest toughest light in its class. It features a compact design that is waterproof, extremely resistant to impact and visible from all directions (omnidirectional). The light has two operating modes: Flashing and Steady-On. There are a variety of accessories that can be used to attach the Guardian to users or their equipment.

### BATTERY DURATION\*

Function	Duration (For all colors)
Flashing	~240 Hours
Steady-On	~100 Hours

\*For indication purposes only.  
Duration may vary with temperature.



Comes with Velcro Strap or  
MOLLE Compatible Belt Clip

### Available in 5 Colors & IR



P/N:  
52000

P/N:  
52001

P/N:  
52002

P/N:  
52003

P/N:  
52004

P/N:  
52101

# TeleEye

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Clip-on attachment with a magnetic base that adheres to many metal surfaces.



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These simple two sided Velcro attachments allow for easy instalment onto the back of helmets for identification and crowd control coordination.



Wrist Strap

49004 P/N:

Stretch nylon strap that can be used to fasten the Guardian to the arm or wrist, or a multitude of other objects.



Bike

Mount P/N:

49005

Allows for easy attachment to most bicycles and poles.



Head

Strap P/N:

49006

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Battery Pack Strip

P/N: 49010-S

The Guardian uses two common CR-2032 Lithium cell batteries. A pre-wrapped battery pack of two cells comes with all Guardian models. Additional packs are available in strips of four.