

GERMAN FLEXIBLE NOSEPHARYNGOSCOPE

• 71602 FLEXIBLE NOSEPHARYNGOSCOPE with cable

The high precision multi-lens optics creates an optimal image. The thin insertion tubes are exceptionally maneuverable and have a special wide angle lens whereby a precise tip control and a remarkable depth of focus are reached.

Exacting workmanship and high quality materials create absolutely homogeneous illumination.

The handpiece is ergonomically formed and the insertion tube is especially comfortable for the patient.

This naso-pharyngoscope, with its proven design, is guaranteed to bring years of trouble-free service.

- wide angle, multi-lens objectives for excellent image quality
- excellent ergonomics allows one hand operation
- suitable for mechanical cleaning and disinfection

71602



30830
adaptor to Gima
light source

30801

TECHNICAL SPECIFICATIONS 71602

Resolution: 7,000 pixels	Working length: 300 mm
Working Ø: 3.2 mm	Tip deflection: up 140°, down 140°
Length of tip deflection: 20 mm	Depth of focus: 6 - 1,000 mm
Direction of view: 0°	Field of view: 70°
Weight: 260 g	Made in Germany

71602



3.2 mm diameter

ETO valve

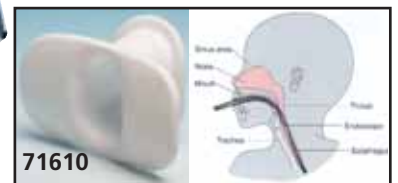
Lever

Tip deflection

Supplied in lightweight aluminium rigid case with fibre optic cable, leakage tester and user manual (GB, IT)



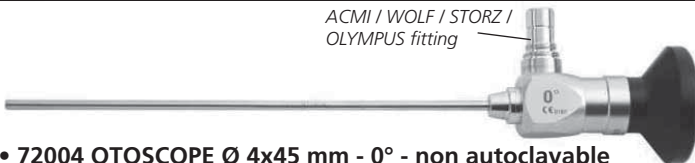
• 71610 ENDOSCOPY MOUTHPIECE - bag of 20 pcs Disposable bite blocks



71610

OTOSCOPIES

ACMI / WOLF / STORZ /
OLYMPUS fitting



- 72004 OTOSCOPE Ø 4x45 mm - 0° - non autoclavable
- 72007 OTOSCOPE Ø 2.7x107.5 mm - 0° - non autoclavable
- 72008 OTOSCOPE Ø 2.7x107.5 mm - 30° - non autoclavable

LARYNGOSCOPE

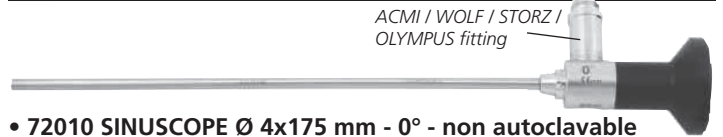
ACMI / WOLF / STORZ /
OLYMPUS fitting



- 72021 LARYNGOSCOPE Ø 8x170 mm - 70° - non autoclavable

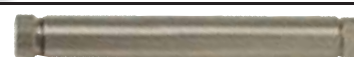
SINUSCOPIES

ACMI / WOLF / STORZ /
OLYMPUS fitting



- 72010 SINUSCOPE Ø 4x175 mm - 0° - non autoclavable
- 72011 SINUSCOPE Ø 4x175 mm - 30° - non autoclavable
- 72012 SINUSCOPE Ø 4x175 mm - 70° - non autoclavable
- 72013 SINUSCOPE Ø 4x175 mm - 45° - non autoclavable

LIGHT SOURCE HANDLE



Connection to any endoscope
with Storz fitting

- 30795 FLYER HALOGEN HANDLE 2.5 V - light source for endoscopes
 - 31478 BULB for 30795
 - 30794 FLYER LED HANDLE 2.5 V - light source
- Powerful handheld light source for endoscopes. 60,000 lux. Both flyer handles need 2xAAA batteries.

Wi-Fi/USB CAMERA FOR ENDOSCOPES AND MICROSCOPES

- 32185 MICFIEYE - Wi-Fi/USB CAMERA (C-mount)
- 32186 C-MOUNT F18 ADAPTER FOR ENDOSCOPES
- 32187 MICROSCOPE ADAPTER Ø 23 mm

MICFIEYE is a Wi-Fi camera with C-mount and allows to digitalize the image on tablets, smartphones and PC using dedicated Apps and Softwares. MICFIEYE needs an adapter



32185+32187

32185+32186

Each camera is supplied with USB cable (1.2 m), USB AC adapter, user manual (GB, IT, FR, ES, DE), software can be downloaded free of charge from web

to be compatible with all optical devices such as microscopes, endoscopes, boroscopes, fiberscopes, C-mount lenses etc.

TECHNICAL SPECIFICATIONS

Camera Type:	Colour CMOS camera
Sensor:	1/4 Imax CMOS
Resolution:	1.3 MP
Image pixel:	320x240, 640x480, 1280x1024
Lens standard:	C-CS mount CCTV lens
Automatic optical features:	Gamma correction, exposure, white balance, black reference, flicker avoidance, defect identification, colour saturation
Button snapshot:	yes for Wi-Fi and USB mode
Dimension:	Ø 36x75 mm
Wi-Fi transmission distance:	≥5 m
Video resolution:	1.3 MP, 320x240, 640x480, 1280x1024
Frequency range:	2,400-24,835 GHz
Li-Ion battery:	Continuous working time - approx 2.5 hours
Power source:	5 V / 1A or USB (use only USB wall adaptors certified according to the CE and/or FCC regulations)
OS support:	iOS / Android / Windows / Mac
Software features:	USB and Wi-Fi MIC-fi: snapshot, video recording, calibration and measurement. Take time lapsed picture, (only USB Micfeye)

150 W HALOGEN LIGHT SOURCE



• 30801 GIMA HALOGEN LIGHT SOURCE 150 Watt

Compact, lightweight, powerful light source for endoscopic use. A low noise fan positioned behind the halogen bulb provides the necessary cooling inside the metallic structure of the light source. A variable-intensity regulator enables selection 50 to 150 W. User manual in GB, ES, FR, IT, GR, PT.

GIMA code	CONNECTORS FOR GIMA LIGHT SOURCE TO DIFFERENT CABLES	TECHNICAL SPECIFICATIONS
30810	STORZ cable connector	Input for GIMA, SCHOLLY and LUT cables
30811	WOLF cable connector	Dimension: 21x20x h 11 cm
30812	OLYMPUS cable connector	Max power absorption: 170 Watt
30815	PENTAX cable connector	Two protection fuses: 1.6 A.T.
30816	FUJINON cable connector	Power supply: 230V-50 Hz
30808	Spare lamp 150W	Norms: IEC 601-1 - 93/42/EEC (Class I - Type: BF)
		Made in Italy: GIMA S.p.a.

LED LIGHT SOURCE

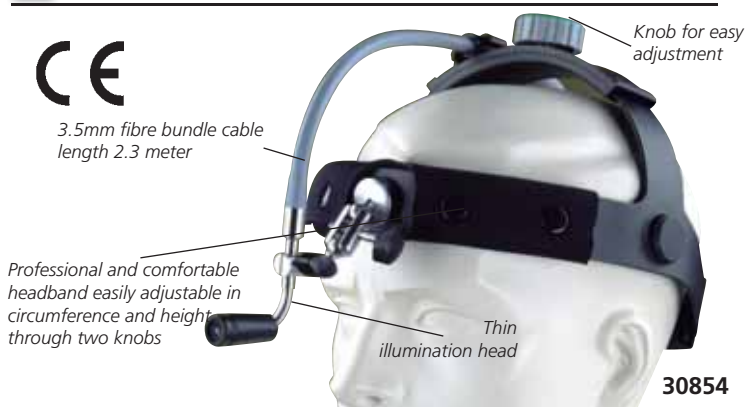
• 27544 LED LIGHT SOURCE

Cold white light (5,500 °K, 200 lumen) for endoscopy use. It can be connected to endoscopes without need of F.O. cable. Handle connect directly to rigid endoscopes (Storz connection).

LCD display: 12.8x6.4 cm



F. O. HEAD LIGHTS



• 30850 WIDA FIBRE OPTIC HEAD LIGHT

• 30854 WIDA PLUS FIBRE OPTIC HEAD LIGHT

fibre optic cable complete with head light system

WIDA illumination systems are available in two versions: one with simple headband and standard illumination head, the other with professional headband, easily adjustable, and thin head. Both include F.O. cable with adaptor (30830) for connection to GIMA light source (30801).

Here below are available connectors to other light sources.

Light beam can be focused through a focusing ring.

• 30852 FOCUS DEVICE for 30850

(since lot 14 - may 2012)

It reduces light in a very luminous spot Ø 10 mm.

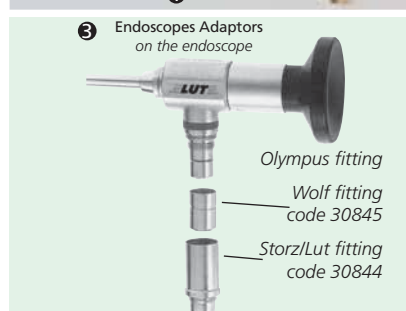
Diameter focus:

DISTANCE	30850	30854
20 cm	7-15 cm	6-10 cm
30 cm	10-22 cm	9-15 cm
50 cm	16-35 cm	14-20 cm

An exceptionally bright headlight with an illumination head for coaxial, shadow-free illumination of the viewing area.



SURGICAL FIBRE OPTIC LIGHT CABLES AND ADAPTORS



① LIGHT SOURCE ADAPTORS to connect GIMA F.O. cables to light sources

- 30830 GIMA light source adaptor
- 30831 STORZ - AESCULAP-MARTIN light source adaptor

- 30832 WOLF - HENKE SASS - DYONICS - MEDICON - COMEG light source adaptor

- 30833 OLYMPUS light source ad.
- 30834 ACMI light source adaptor
- 30835 HEINE light source adaptor
- 30836 FUJINON light source adaptor
- 30837 PENTAX light source adaptor

② ENDOSCOPE ADAPTORS - on the cables to connect endoscopes to GIMA F.O. cables

- 30840 ENDO STORZ adaptor
- 30841 ENDO WOLF adaptor
- 30842 ENDO ACM, OLYMPUS-STYKER adaptor

- 30817 FIBRE OPTIC CABLE 3.5 x 1,800 mm
- 30818 FIBRE OPTIC CABLE 4.8 x 1,800 mm
- 30822 FIBRE OPTIC CABLE 3.5 x 2,300 mm
- 30823 FIBRE OPTIC CABLE 4.8 x 2,300 mm
- 30826 FIBRE OPTIC CABLE 4.8 x 3,000 mm

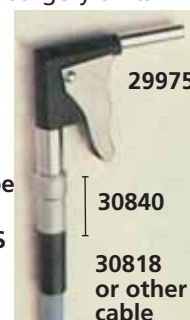
High transmission surgical light cables, armoured but highly flexible with unique features:

- no burn outs
- strain relieved and protected by **silicone hose**
- **steam autoclavable** with warranty (12 months)
- light source end temperature resistant up to 300°C
- kink resistant
- no electrical interferences with endoscopic surgery units
- surgical stainless steel end fittings resist wear and corrosion
- stainless steel adaptors enables our cables to be used with other manufacturers halogen light sources/instruments

• 29975 FIBRE OPTIC CLAMP

③ ENDOSCOPE ADAPTORS - on the endoscope to connect endoscopes to GIMA F.O. cables

- 30844 STORZ/LUT ENDOSCOPE ADAPTORS
- 30845 WOLF ENDOSCOPE ADAPTORS



GIMA ENT HEAD MIRRORS FOR BATTERY OR AC/DC TRANSFORMER USE

Simple adjustment of the band using rotating knob to fit any head size

31110

Comfortable, padded head band easy to remove for cleaning

HEAD MIRRORS WITH TRANSFORMER

Supplied with plug-in transformer for direct power

Storz type head mirror

Silver coated mirror produces extremely bright light

Simple adjustment of the band using rotating knob

Comfortable, padded head band easy to remove for cleaning

31109

On/off switch on battery

Supplied with head band mounted CR-123A battery box for 2x3 V batteries (not included)

Silver coated mirror produces extremely bright light

HEAD MIRRORS WITH BATTERY

Extension cable

Clar type head mirror

31108

LUX-100 AVAILABLE WITH LED LIGHT



Head mirror Lux-100 with plug in transformer

Quality head mirrors Ø 55 or 100 mm to perfectly illuminate the examination area in every situation. Long life 6 V lamp provides bright and natural light, quality silver coated mirror allows optimum light reflection. Mirror and light beam can be easily and precisely adjusted.

STANDARD ACCESSORIES	LUX AC/DC TRANSFORMER 31110-31111	LUX BATTERY* 31107-31109 31112
Mirror with head band	•	•
Long life bulb	•	•
Head band mounted battery case** for 2 x 3V CR-123A	•	•
Plug in transformer* 100/240 V - 50/60 Hz with cable	•	•
Pocket battery case	•	•
Sturdy plastic case	•	•
Cordura bag	•	•
Extension cable 80 cm and on/off switch 30 cm cable	•	•

*Supplied with interchangeable UK, US, EU plugs

**Battery not included

GIMA code	LUX ENT MIRRORS
31108	LUX-55 battery** head mirror - Ø 55 mm - 6 V
31112	LUX-55 battery*** head mirror - Ø 55 mm - 6 V
31109	LUX-100 battery** head mirror - Ø 100 mm - 6 V
31107	LUX-100 battery** LED head mirror - Ø 100 mm - 6 V
31110	LUX-55 AC/DC transformer head mirror - Ø 55 mm - 6 V
31111	LUX-100 AC/DC transformer head mirror - Ø 100 mm - 6 V
31114	Mirror for LUX-55 - spare
31115	Mirror for LUX-100 - spare
31116	Bulb for LUX mirrors - spare
31119	Carrying bag for LUX mirrors - black
31117	Battery case for LUX mirror 31112/3 - spare
31124	Connecting cable 30 cm for 31107-9 - spare
31118	Plug in transformer* 100-220 V - 50/60 Hz with cable - spare for 31100-1 - optional for 31107-9

*Supplied with interchangeable UK, US, EU plugs **Battery mounted on head mirror band ***Pocket battery case connected to head mirror

HEAD LOUPE AND MAGNIFYING GLASSES



Visual field 8.5x3 cm

31170

• 31170 HEAD LOUPE two magnifying systems (2.2X and 3.3X)

The system is mounted on an adjustable webbing head band and provided with two separate lenses. The first lens provides a 2.2X magnification, moving down the second lens, we reach a total 3.3X magnification. The superior quality of this lens permits high precision examinations. It can be used in combination with

any kind of glasses. Working distance: 17 cm with 2.2X lens, 9 cm with 3.3 lens. Made in Japan.

• 30861 DANA MAGNIFYING GLASSES

Light, only 83 g



Compatible with TETI protective shield (see page 16, 198)

- optical system with 3 magnifying glasses (2X, 2.5X, 3X)
- can fit over your glasses
- adjustable to any face shape

• 30848 SMART MAGNIFYING GLASSES

Spectacle frame with magnifying glasses useful to physician whenever it is necessary to have a magnified view of the visual field and be able to use both hands. Lightweight, it folds up, and can be worn over spectacles. 2.5X zoom lens which can be tilted to achieve optimum focus.

30848

ZIEGLER MIRROR



• 31142 ZIEGLER MIRROR - Ø 90 mm

Concave back-silvered mirror, 90 mm diameter with 13 mm diameter hole, on adjustable band. Special mount permits replacement of glass mirror in event of breakage. Made in Germany.

1 W LED HEADLIGHTS

• 30858 LED HEADLIGHT

Run time: High mode: 3 hours - Low mode: 22 hours
Luminous intensity: 120 lumens (high) or 30 lumens (low)
30 feet drop test, super bright CREE cool white LED
MCU control push switch (High/Low/Off) 60° pivoting head.
Passed extreme temperature shock test, IPX4 water resistant
10,000 switch cycle life
Lighting leakage design when forget to turn off switch. 3AAA batteries included.

• 32200 "AAA" ALKALINE BATTERIES - blister of 4 pcs - spare



Compact and lightweight headlight only 65 g

GIMA LED HEADLIGHT



- 30940 GIMA LED LIGHT - 5W - black
- 30941 BATTERY PACK for 30940 and 30890* (need adaptor) - spare

*Old Gima Led light - light blue

- 30942 ADAPTOR BATTERY PACK**

**Only for use of battery pack (30941) with old Gima head light (30890)

Led lamp without the heat of traditional halogen headlight. With a colour temperature of 5,500 °Kelvin, it provides bright, white, shadow-free light allowing the doctor to see tissue characteristics without distortion. Flexibility of operation using the rechargeable lithium battery, instead of direct power source. Comfortable lightweight headlamps suitable for all kinds of surgery, ENT or dental applications. The headlight can be used when it is charging, it also has low-battery indicator light. Adapts to GIMA binocular loupes (codes 30892-8, 30910-5). Smart design, convenient for mobile diagnosis. Supplied in aluminium box with rechargeable 7.2 V / 4,600 mAh lithium battery and recharger. Manual: GB, FR, IT, ES, DE, PT, GR, Arabic.



GIMA BINOCULAR LOUPES

BINOCULAR LOUPES:

Light weight, ergonomically superior Galilean-style flip-up loupes. Can be used independently or mounted on 30890, 30940. Multi-coated and high grade glass lenses provide clean and sharp image. Eyepiece with wide field of view. Deep focus to see object stereoscopically. Loupes angles can be easily adjusted between 0° and 40° to minimize fatigue even after prolonged use. 6 mm up and down displacement. Adjustable pupil distance to fit different face types.



STYLE BINOCULAR LOUPES:

Line of binocular loupes with same features of traditional line but mounted on a extra light, fashionable frame.



GIMA code	BINOCULAR LOUPES	Magnification	Working distance	Field of view Ø
30892	Binocular Loupe	2.5X	340 mm	80 mm
30894	Binocular Loupe	2.5X	420 mm	100 mm
30897	Binocular Loupe	3.5X	340 mm	60 mm
30898	Binocular Loupe	3.5X	420 mm	72 mm

GIMA code	STYLE BINOCULAR LOUPES	Magnification	Working distance	Field of view Ø
30910	Style binocular Loupe	2.5X	340 mm	80 mm
30911	Style binocular Loupe	2.5X	420 mm	100 mm
30914	Style binocular Loupe	3.5X	340 mm	60 mm
30915	Style binocular Loupe	3.5X	420 mm	72 mm

RIESTER RI-FOCUS LED HEADLIGHT

• 30881 RI-FOCUS LED HEADLIGHT - with rechargeable batteries

High performance LED headlight with battery compartment for fast and easy change of battery. Flexible hinge for a comfortable one-hand use of the LED illumination body.

- more efficient diagnosis due to white and high performance LED with up to 100,000 LUX and 50,000 hours lifetime
- wireless headband with built-in battery compartment
- particularly comfortable with balanced headband and one-hand operation
- focusable LED lamp at a distance of 40 cm approx Ø 40 mm to 200 mm infinitely focusable
- white LED with 6,000 °Kelvin, 140 lumen
- significantly less heating and energy loss
- rechargeable battery operation: approx 90 min with fully charged batteries

Rechargeable AAA batteries and plug in 230V charger included



HEINE LED HEAD LIGHT

POWERFUL LED ILLUMINATION

50,000 LUX at 250 mm

5 YEARS WARRANTY



30884

- **30884 HEINE ML4 LED^{HQ} HEAD LIGHT - J.008.31.413**
- LED in HQ; defining optimal light intensity (50,000 lux at 250 mm), brightness and homogeneity from edge to edge, and colour rendering (4,500 K, CRI >90, R9 > 75). This ensures true colour tissue for the most accurate diagnosis.
- **Coaxial illumination:** ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- **Lithium Battery:** for up to 8.5 hours of continuous working.
- **LED Thermal Management:** guarantees consistent quality and performance throughout the LED's lifetime (50,000 hours).
- **Adjustable illumination spot size:** 30 to 80 mm spot size range (at 420 mm working distance) to fit any examination situation.
- **Comfortable and secure fit:** multiple adjustment points and soft padding for comfort and stability even during long procedures.
- **Illumination Intensity Control:** for precise brightness setting
- Rechargeable battery pack and direct mains transformer included.
- **30883 HEINE ML4 LED^{HQ} HEAD LIGHT with DV1 DIGITAL VIDEOCAMERA and mPack[®] UNPLUGGED - J.008.31.470**
- Same as above with high resolution digital videocamera 1.3 megapixel
- **30886 HEINE BINOCULAR LOUPE 2.5X-340 mm - J.000.31.370**
- **30887 HEINE BINOCULAR LOUPE 2.5X-420 mm - J.000.31.371**
- **30888 P2 POLARIZATION FILTER FOR ML4 AND 2.5X LOUPES - J.000.31.326**

TECHNICAL SPECIFICATIONS

Power supply: mPack[®] Rechargeable Battery Pack with Li-ion battery and direct mains transformer
 Illumination: 50,000 lux at a working distance of 250 mm
 LED operating life: 50,000 hours
 Spot adjustment: 30 mm to 80 mm illuminated field diameter (at 420 mm)
 Colour temperature: 4,500°K Made in Germany

HEINE BINOCULAR LOUPES

Only 42 g

30930
30931

Eyepieces individually adjustable

2.5 X loupes



Set content: optics, S-frame with i-View loupe mount, detachable protective lenses, 2 sterilizable swivel levers, retaining cord, cleaning fluid, carrying case.

HEINE[®] S-FRAME[®] WITH BINOCULAR LOUPES

- **Achromatic optics:** crisp, bright image with colour-correction.
- **Multi-coated, scratch-resistant silica glass lenses** - produce crisp, clear images. High magnification with a large field of view and excellent depth of field.
- **Water resistant**
- **Flexibility for precise adjustment:** independently adjustable Pupillary Distance controls ensure precise alignment of the optics, for a stereoscopy view.
- **i-View loupe mount;** provides any angle of view and the possibility flips up and down the optics to exclude or re-include the magnification during any procedure.
- **Different magnification and working distance.**

GIMA code	BINOCULAR LOUPES	Magnification	Working distance	HEINE code
30930	Heine binocular loupes	2.5X	340 mm	C-000.32.355
30931	Heine binocular loupes	2.5X	420 mm	C-000.32.356
30932	Heine binocular loupes	4X	340 mm	C-000.32.431

- **30888 P2 POLARIZATION FILTER FOR ML4 AND 2.5X LOUPES - J.000.31.326**
- **30935 HEINE LED LOUPELIGHT with mPack[®] LL and plug-in transformer - C-008.32.264**

HEINE LED in HQ (50,000 lux at 250 mm, 4,500 K, CRI>90, R9 > 75) provides the best coaxial, intense, accurate and homogeneous LED illumination. 17 hours continuous ON time at full power with mPack LL. LED Thermal Management ensures consistent quality and performance of the illumination throughout the LED's lifetime rating of up to 50,000 hours.



30935

For use with S-frame binocular loupes

IUKO VISION MODULAR SYSTEM

GALILEAN TELESCOPES

- **30864 CALLIOPE - Galilean telescope 3X - dental (working distance 35 cm)**
- **30865 CALLIOPE - Galilean telescope 3X - surgical (working distance 45 cm)**
- **30866 CALLIOPE - Personalized Galilean telescope: magnification from 2X to 3X, working distance from 28 to 60 cm - specify with order**



CALLIOPE
30864/5/6

- magnifying optical system with Galilean telescopes
- waterproof telescope
- compatible with TETI

TELESCOPE + PROJECTOR

- **30870 NIKE - Galilean telescope 3X (35 cm) + projector**
- **30871 NIKE - Galilean telescope 3X (45 cm) + projector**
- **30876 BATTERY PACK - spare**



NIKE 30870/1

This system includes Galilean telescope (CALLIOPE) and LED light projector (IRIDE)
Compatible with TETI, see page 16

30870/1

ADJUSTABLE PROJECTOR

- **30867 IRIDE - LED light projector**
- **30876 BATTERY PACK - spare**

Irde is supplied with a compact, light, rechargeable power bank (battery), a 15 cm cable for use on head band and one 1 m cable for use from pocket



IRIDE 30867

30867

- adjustable LED light projector
- adjustable brightness intensity (10,000 and 40,000 lux at 25 cm, autonomy 6 and 4 hours)
- 6,500°K temperature
- autonomy 4 hours at maximum power
- battery pack placeable on the head band
- compatible with TETI, see page 16

SHIELD + TELESCOPE and/or PROJECTOR

- **30860 TETI - protective shield (2 shields included)**
- **30875 SET OF 5 TRANSPARENT FACE SHIELDS - spare**



TETI
30860

30870/1+ 30860

You can create beside system adding protective shield (TETI) to telescope+projector (NIKE) to telescope (CALLIOPE) or to projector (IRIDE)