

nitrotech

HEAD WITH A CORE



There is more to see inside.

A fluid video head with a technologic core featuring a nitrogen piston capable to continuously counterbalance your gear. Discover the new Manfrotto Nitrotech N8 & N12.

FDS
FLUID
DRAG
SYSTEM

Manfrotto Fluid Drag System for smooth and free movements.

FLAT

Versatile flat base suitable for tripods, crane, jibs and sliders.

CBS
COUNTER
BALANCE
SYSTEM

Continuous Counterbalance System holding a wide array of videocamera models.

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Cassola, April 2017 - Manfrotto, world leader in the photography, imaging equipment and accessories industry, presents the new **Nitrotech Video Head** - a revolutionary head that combines the most successful features of Manfrotto's Video Heads range with the ground-breaking, unique-to-the-market **Nitrogen piston mechanism** that guarantees **continuous counterbalance**.

The Nitrotech N8 Video Head securely supports a load up to 8 kg and the Nitrotech N12 Video Head securely supports a load from 4-12kg. The new head features a precise, continuous counterbalance system that effortlessly and safely holds and operates a wide array of video camera models – in a variety of sizes. The variable fluidity function on both pan and tilt allows smooth, judder-free movement. It also features a 3/8" Easy Link equipped with an anti-rotation function that enables an external monitor or other accessories to be fitted.

This new video head also features a side-lock sliding plate mechanism that allows safe, quick and easy camera attachment. The NITROTECH head has a flat base mount with a standard 3/8" thread that is highly versatile for different support combinations (tripod, slider, rig or crane).

Manfrotto's game-changing N8 and N12 Nitrotech Video Heads makes a strong impression at first sight through its distinctive, impactful design, which emphasizes this core breakthrough technology.

FEATURES



Side Lock sliding plate for fast and precise set-up
Sliding plate with metric ruler (504PLONGR)

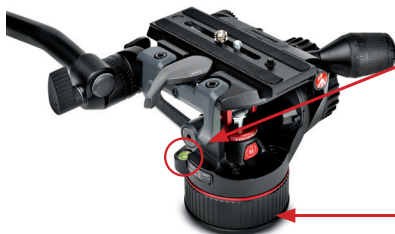
Easy link connector for accessories with anti-rotation

Variable Fluid Drag system ensures smooth pan and tilt movements



Counterbalance adjustment knob (CBS)

Nitrogen piston operates the counterbalance system via the CBS adjusting knob, the N8 Nitrogen piston then moves down and up in order to precisely counterbalance from 0 to 8 Kg @ 55mm C.O.G. without steps. The N12 Nitrogen piston then moves down and up in order to precisely counterbalance from 4 to 12 Kg @ 55mm C.O.G. without steps.



Illuminated levelling bubble for easy set-up

75mm flat base enables a wide variety of applications

OTHER FEATURES

FEATURE	FUNCTION	BENEFIT
Precise and continuous CBS	Nitrogen Piston technology	Perfect for Different cameras and accessory configurations
Variable Fluid Drag System	Pro fluid cartridges on both pan and tilt	Smooth and judder-free footage, movement more realistic cinestyle videos
Side Lock	Camera clicks in from above	Fast, safe and easy
Flat Base	Fits different supports (sliders, jibs...)	Versatility
Easy Link	3/8" connector for accessories with anti-rotation	Easier gear changes and more solid support of off-camera accessories
New Design and Technology	Very lightweight for this type of head, brings innovation to the market	Attractive and eye catching

QUALITY

More than 230 tests reports to be 100% sure in terms of product performance, reliability and durability.

Safety: sliding plate tested for 5000 cycles of hooking and unhooking the plate on the head

Life test: each drag and brake knob is tested more than 5000 times

Tilt test: the head is put into +90 / -70 positions 5000 times

Pan test: head parts are completely assembled without any backlash

Piston test in use: exposure to high and low temp to ensure the head performs from -15 up to +50 degrees Celsius

Drift test: no head movement if the pan and tilt brake is inserted

Nitrogen Piston: the component parts are checked one by one for 100% performance

Levelling Bubble: 100% tested to check measurement accuracy

For information regarding what systems the Nitrotech will be available see next page

The Nitrotech N8 is also available as a system in the following configurations:

MVKN8C NITROTECH N8 & 535 SINGLE LEG

- 📏 185,5cm • 73in
- 📏 43cm • 16.9in
- 📏 88,5cm • 34.8in
- 📏 4,8kg • 10.6lb
- 📏 8kg • 17.6lb at 55 C.O.G.
- 📏 8kg • 17.6lb at 55 C.O.G.

Head MVHN8AH
Tripod 535
Bag included



MVKN8CTALL NITROTECH N8 & 536 SINGLE LEG

- 📏 218cm • 85.8in
- 📏 42cm • 16.5in
- 📏 86,5cm • 34in
- 📏 6kg • 13.2lb
- 📏 8kg • 17.6lb at 55 C.O.G.
- 📏 8kg • 17.6lb at 55 C.O.G.

Head MVHN8AH
Tripod 536
Bag included



MVKN8TWINM NITROTECH N8 & 546B TWIN MS

- 📏 170cm • 66.9in
- 📏 74,5cm • 29.3in
- 📏 89cm • 35in
- 📏 6,1kg • 13.4lb
- 📏 8kg • 17.6lb at 55 C.O.G.
- 📏 8kg • 17.6lb at 55 C.O.G.

Head MVHN8AH
Tripod 546B
Mid spreader included
Bag included



MVKN8TWING NITROTECH N8 & 546GB TWIN GS

- 📏 170cm • 66.9in
- 📏 74,5cm • 29.3in
- 📏 89cm • 35in
- 📏 7kg • 15lb
- 📏 8kg • 17.6lb at 55 C.O.G.
- 📏 8kg • 17.6lb at 55 C.O.G.

Head MVHN8AH
Tripod 546GB
Ground spreader included
Bag included



Center Of Gravity.
Weighted average location of all
the mass in a body. Depending
on the dimensions of the camera,
the distance from the plate to the
C.O.G. will be longer or shorter

55
C.O.G.

MVHN8AH	NITROTECH N8 fluid video head
MVKN8C	MVHN8AH + tripod 535CF carbon fibre single leg
MVKN8CTALL	MVHN8AH + tripod 536CF carbon fibre single leg
MVKN8TWINM	MVHN8AH + tripod 546B aluminium twin leg with middle spreader
MVKN8TWING	MVHN8AH + tripod 546GB aluminium twin leg with ground spreader

The Nitrotech N12 is also available as a system in the following configurations:

MVKN12TWING NITROTECH N12 & 545GB two-stage twin leg tripod

	170cm
	74.5cm
	89 cm
	6.35kg
	12kg
	12kg

Head Nitrotech N12
Tripod 545GB Twin Leg Tripod
Ground Spreader Included
Bag Included









MVKN12CTALL NITROTECH N12 & CF Tall Single Legs Tripod

	218cm
	42cm
	86.5cm
	6.25kg
	12kg
	12kg

Head Nitrotech N12
Tripod 536 Carbon Fibre Tripod
Bag Included



MVKN12TWINM NITROTECH N12 & Twin Leg Tripod Middle Spreader

	170cm
	74.5cm
	89cm
	6.35kg
	12kg
	12kg

Head Nitrotech N12
Tripod 545B Twin Leg Tripod
Mid Spreader Included
Bag Included



All kits include:

- Newly developed 100mm bowl specifically for the N12
- Carrying Bag

Center Of Gravity.
 Weighted average location of all
 the mass in a body. Depending
 on the dimensions of the camera,
 the distance from the plate to the
 C.O.G. will be longer or shorter

55
C.O.G.

MVHN12AH	NITROTECH N12 fluid video head
MVKN12TWING	Kit Tripod Vid 545GB N12 Head 89-170cm 12kg counterbalance Alum incl 100mm Ball and Bag
MVKN12CTALL	Kit Tripod Video 536 N12 Head 87.5-218cm 12kg counterbalance incl 100mm Ball and Bag
MVKN12TWINM	Kit Tripod Video 546B N12 Head 89-170cm 12kg counterbalance Alum incl 100mm Ball and Bag

FRICTION ARMS

Manfrotto enriches its available range of compact arms for photography and videography with the introduction of the new series of friction arms in two sizes 15cm and 24cm offering upgraded features and a payload up to 3kg. A dedicated series of interchangeable adapters are available. All arms feature an ergonomic adjustment knob that achieves a high mechanical torque. All products are Made in Italy, in compliance with high quality standards.

The range is composed of 2 friction arms, available in four options:



244Mini
Mini friction arm



244Micro
Micro friction arm



244Micro-AR
Micro friction arm with Anti-rotation
Ideally suited for Nitrotech



244MicroKIT
Micro friction arm with 386B-1 Nano Clamp
Ideally suited for Nitrotech



The attachments on top of each end can be replaced with a different adapter using the hex key which is included in the packaging.



The following kits are available:
spigot 5/8", hot-shoe, 3/8" and 1/4" adapters and anti-rotation adapter.
(244ADPT58, 244ADPT-HS, 244ADPT3814, 244ADPT38AR)

In this range, Manfrotto introduces the unique and innovative Anti-rotation system which is available both in 244Mico-AR and 244MicroKIT and also as a single adapter 244ADAPT38AR.

The Anti-rotation system connects to the "Easy Link" connection of Manfrotto 190 series, 055 series Manfrotto range of Professional heads and the latest Gitzo Systematic tripods. The system prevents the load rotating when the arm is attached to the tripod through the "Easy Link" attachment.

Please note that the Anti-rotation system also works in combination with the new Nano Clamp 386B-1.