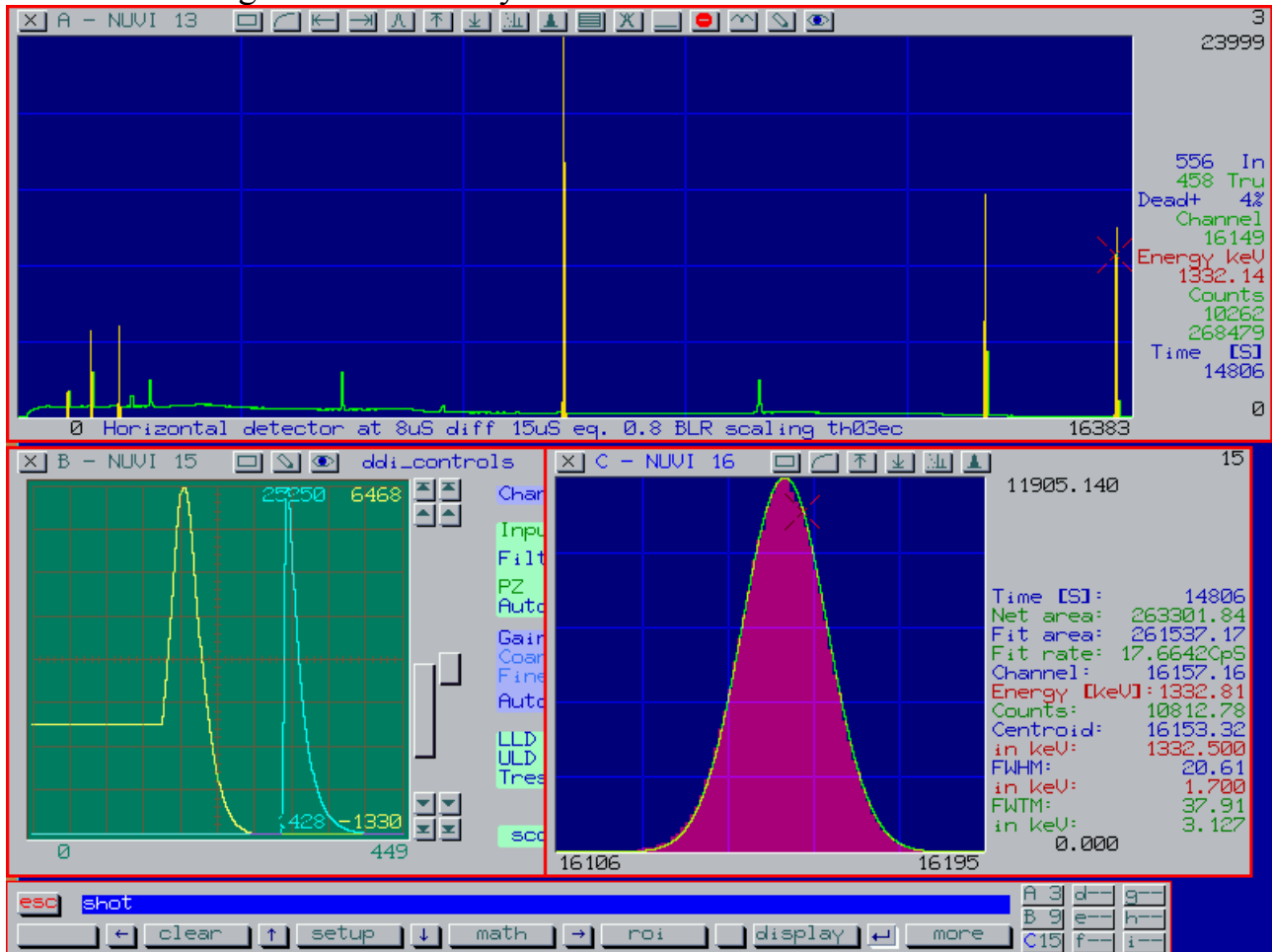
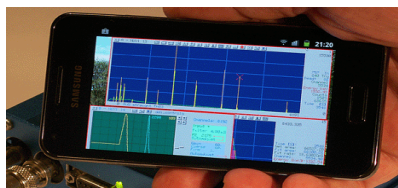


# netMCA-3 – the ultimate all in one MCA

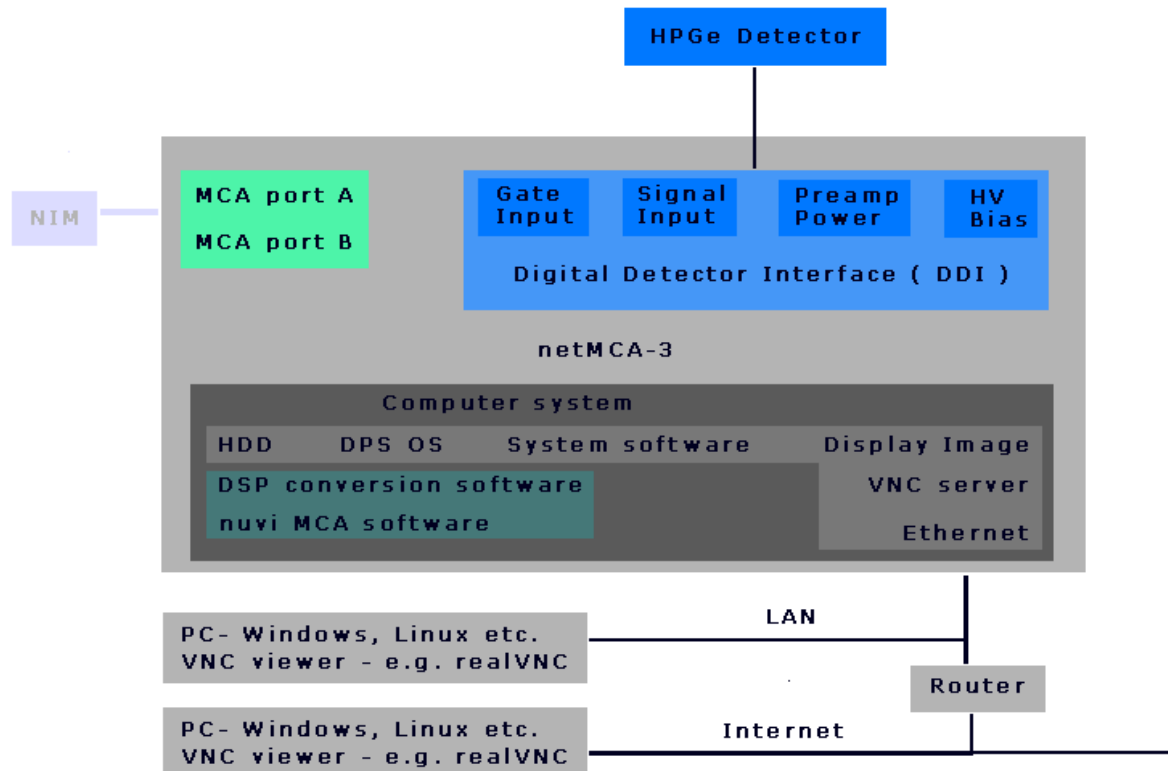
Brings the best out of your detector – and connects it to the net.



- Highest resolution & throughput using TGI's DSP algorithms
- Autonomous internet host - no dedicated PC necessary
- No MCA specific software needed for access & control
- Various spectrum export/import formats (ASCII, Nucleus, IAEA-like)
- Spectra can be transferred in and out via ftp or read via http
- In built HDD provides practically unlimited space for archiving spectra
  - Online support and assistance



Transgalactic Instruments    Gourko Str. 25 b    1000 Sofia    Bulgaria  
www.tgi-sci.com  
Phone: ++359-2-4711458    Email: sales@tgi-sci.com



Gain range: 10 to 3000

Conversion range: up to 16384 channels

Gain temperature stability: better than 30ppm/C

Offset zero: 0 (by design)

Differential nonlinearity: < 1% LSB

Integral nonlinearity: < 0.025% fullscale

HV range: 0 to +5 or -5 kV (order time selectable)

Differentiator: 1, 2, 4 and 8 uS (menu selectable)

Shaping time equivalent: 1 to 16 uS (various filter shape files)

Typical power consumption: 12V, 0.8A

#### Connectors:

Input - BNC, input from detector preamp.

Gate - BNC, TTL gate. Pulled to 3.3V internally.

Preamp power - D9. Detector preamp power (+/-24,+/-12) output,  
HV shutdown input (universal), RS-232 (used to talk to aux HV).

HV out - SHV, 0 to 5 kV/0.1mA (other ranges on request).

ADC ports A and B - D25, NIM ADC style MCA ports; highly programmable.

Network - RJ-45, 10/100 Ethernet. Connects the device to the net.

Power in - power jack 5.5/2.5, tip positive, 12V 2A max.