Optics for the Athens CW RTM, A.V. FILIPPAS, H. HERMINGHAUS, K. HIZANIDIS, A. KARABARBOUNIS, N.H. PAPADAKIS, C.N. PAPANICOLAS, N. SPARVERIS, S. STILIARIS, N.P. VODINAS, IASA, V.I. SHVEDUNOV, I.S. SURMA, A.V. TIUNOV, MSU - A Continuous Wave Cascade Racetrack Microtron (RTM) is being built at the Institute of Accelerating Systems and Applications (IASA). Making maximum use of the available equipment (obtained from NIST and the University of Illinois), a two-stage v = 1 Cascade scheme with optics similar to those of the Mainz RTM was adopted. The IASA CW RTM will provide a variable output energy from 5 to 240 M eV, with current intensity exceeding 100 μ A. The LANL side-coupled linear accelerator structure operates at the RF frequency of 2380 GHz. The new design provides excellent emittance characteristics. Details of the optics design, stability and operation criteria of the Athens CW Cascade RTM will be presented.